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METEOROLOGICAL REGISTER

FOR THE YEARS

1826, 1827, 1828, 1829, AND 1830;

FROM

OBSERVATIONS

MADE BY THE SURGEONS OF THE ARMY AND OTHERS

AT THE

MILITARY POSTS OF THE UNITED STATES.

PREPARED UNDER THE DIRECTION OF
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R E M A R K S .

IN 1819, under the direction of the then Secretary of War, a system of meteorological observations was commenced, and zealously prosecuted by the late Surgeon-General; but as the instruments provided never exceeded a thermometer and a rain-guage, the observations, including those upon the course of winds, and other obvious states of the weather, have necessarily had a limited range. The results are consequently less comprehensive than the present state of meteorological science demands. As temperature is, however, the most prominent, and perhaps the controlling, element in the constitution of climate, and as thermometrical observations have been continuously made for twenty years, it would seem a matter of common right that these at least should be placed within reach of the scientific public.

The Meteorological Abstracts, which have served as the basis of the general conclusions deduced, do not embrace more, perhaps, than a third of the materials collected in the Surgeon-General's office. As the observations presented, however, extend over the entire domain of our States and Territories, it may reasonably be assumed that the results exhibit a fair expression of the general laws of our climate, which further research will ultimately confirm.

As meteorology has now become a subject of general interest, the importance of more extended observations is apparent; and the hope is indulged that the medical corps of the army, more especially as many of the military posts afford an opportunity of making observations in regions still in a state of nature, will ere long be furnished with the means of prosecuting more extensive researches, and of keeping pace with the progress of the science.

To the late Surgeon-General, J. Lovell, M.D., under whose efficient control the Medical Bureau was organized, and improved with a steady pace in its various details, pertains the merit of having established a system of reports, thus rendering it practicable to condense the results of years into the forms now presented.

The unpublished records extend as far back as 1820, the period when regular observations were first instituted. In 1826, the late Surgeon-General published Meteorological Abstracts for the years 1822-3-4-5, embracing positions in every region of the United

States. Tables for 1820 and 1821 were also published; but a want of uniformity in the mode of tabular arrangement, has, in a measure, defeated their object.

By direction of Thomas Lawson, M.D., Surg.-General U. S. A., the papers on file in the Medical Department relative to meteorology have been lately examined and arranged. "Diaries of the Weather," from 1820 to 1830 inclusive, have been condensed into tabular abstracts; the last five years being now presented in monthly results.

The thermometrical observations are confined to the superficial temperature of the places; and as the mean of each month is calculated from 90, and of each year from 1095 observations, the tables, it is believed, will give an approximation to the truth as near as can be realized by ordinary observation, and a mean sufficiently correct for every contemplated purpose.

The climate of the United States may be studied under three grand divisions; each of which contains many sub-divisions or systems of climate, determined by the influence of local causes. 1st. The Northern Division, extending as far south as the 39th degree of latitude, a region characterized by the predominance of low temperature. 2d. The Southern Division, in which a high temperature prevails; and 3d. The Middle Division, which exhibits phenomena vibrating to both extremes. These divisions will be regarded, in a great measure, as arbitrary, and are intended, as well to facilitate description, as to express the operation of general laws.

In reference to the sixty-five tables, embracing a period of five years, it may be necessary to remark, that the first twelve tables of each year give the mean of the observations of each month, and the thirteenth, the mean for the whole year. These tabular abstracts are the condensed results of the observations made at various posts, situated between $27^{\circ} 57'$ and $46^{\circ} 39'$ of north latitude, and between $67^{\circ} 04'$ and $95^{\circ} 43'$ of longitude west of Greenwich; embracing an extent of $18^{\circ} 42'$ of latitude, and $28^{\circ} 39'$ of longitude.

The first general division presents the greatest variety of climate. On the sea-coast of New England, the influence of the ocean modifies the range of the thermometer and the mean temperature of the seasons. Advancing into the interior, the extreme range of temperature increases, and the seasons are violently contrasted. Having come within the influence of the lakes, a climate like that of the sea-board is found; and proceeding into the region beyond the modifying agency of these inland seas, an excessive climate is again exhibited. The variations of the *isothermal* and *isochermal* curves—the lines of equal summer and of equal winter temperature—thus afford a happy illustration of the equalizing tendency of large bodies of water. Hence the former division of the surface of the earth into five zones, as regards its temperature, has been superseded, in scientific inquiries, by a more precise arrangement; places having

the same mean temperature are connected by isothermal lines—the spaces between them are called isothermal zones.

A concise description of the chain of vast lakes or inland seas, which lie in the northern division, may be here properly introduced. The basin of the St. Lawrence is truly a region of “broad rivers and streams,” containing, it is estimated, an area of 400,000 square miles, of which 94,000 are covered with water. From the western extremity of Lake Superior to the Gulf of St. Lawrence, the distance is about 1900 miles. These ocean-lakes have been estimated to contain 11,300 cubic miles of water—a quantity supposed to exceed more than half of all the fresh water on the face of the globe. Lakes Huron and Michigan, which have the deepest chasms, have been sounded to the amazing depth of 1800 feet without discovering bottom.

The following table, which gives the mean length, breadth, depth, area, and elevation of these several collections of water, is taken from a recent report made by Douglas Houghton, Esq., State Geologist of Michigan:—

	Mean Length. <i>Miles.</i>	Mean breadth. <i>Miles.</i>	Mean depth. <i>Feet.</i>	Elevation above level of the sea. <i>Feet.</i>	Area in square miles.
Lake Superior	400	80	900	596	32,000
Green Bay	100	20	500	578	2,000
Lake Michigan	320	70	1000	578	22,400
Lake Huron	240	80	1000	578	20,400
Lake St. Clair	20	18	20	570	360
Lake Erie	240	40	84	565	9,600
Lake Ontario	180	35	500	232	6,300
St. Lawrence			20		940
					94,000

Having said that the northern division exhibits four striking inflexions of the isothermal and isothermic lines on the same parallel of latitude, corresponding to certain systems of climate, the data from which these results are obtained will now be given; and the results of each year will be presented in detail. To illustrate the difference of temperature, more especially as regards its distribution among the seasons, between the sea-board and the interior remote from large bodies of water, a comparison of the following posts will be instituted:

Fort Sullivan, lat.	44° 41'	Fort Snelling, lat.	44° 53'
“ Wolcott, “	41° 30'	Council Bluffs “	41° 25'
Mean East	43° 06'	Mean West	43° 09'

The data given in the following table are contained in the first twelve Abstracts for 1826; and, for brevity's sake, the terms east and west will be used to distinguish the Atlantic and the interior posts, whilst the latitudes given will be regarded as means of the eastern and western posts respectively.—See Table [A] p. 8.

[A]

PLACES OF OBSERVATION.	Latitude.	Mean Annual Temperature.	Range of the Thermometer.	WINTER.			SPRING.			SUMMER.			AUTUMN.		
				Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.
Atlantic	43° 6'	48.18	98 -24 122	31.22	28.17	28.17	35.07	41.82	56.77	62.15	69.61	69.39	62.76	52.18	40.38
				24.98	17.57	19.89	32.15	42.86	69.24	74.22	75.40	72.49	59.03	53.17	38.94
Interior, remote from Lakes . . }	43° 9'	48.83	104 -23 127		29.19		44.55				67.05			51.92	
					20.81		48.08				74.04			50.38	

[B]

PLACES OF OBSERVATION.	Latitude.	Mean Annual Temperature.	Range of the Thermometer.	WINTER.			SPRING.			SUMMER.			AUTUMN.		
				Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.
Fort Mackinac . .	45° 51'	41.67	84 -17 101	23.41	18.93	17.66	26.32	32.85	50.59	61.14	66.74	63.29	54.84	48.63	35.60
				19.15	13.09	16.15	29.60	37.68	66.76	72.05	73.85	70.24	55.32	49.13	35.29
Fort Snelling . .	44° 53'	44.86	92 -23 115		20.00		36.59				63.72			46.36	
					16.13		44.68				72.05			46.58	

During the winter, the mean of the east is 8.38 *higher* than the west; during the spring, 3.53 *lower*; during the summer, 6.99 *lower*; and during the autumn, 1.54 *higher*. In the mean temperature for the year there is but a fractional difference. In the extreme range of the thermometer there is a difference of 5°; but an examination of each month shows the range to be much greater at the interior posts remote from the agency of inland seas.

Lest this striking contrast between the mean temperature of winter and that of summer might be ascribed to the *elevation* of the western posts (being 6 or 700 feet above the level of the sea), a comparison between Forts Mackinac and Snelling, the former situated on the Island of Mackinac, and the latter near the junction of the St. Peters and Mississippi Rivers, will be conclusive upon this point. See Table [B] p. 8.

During the winter, the mean of the former, although 1° north, is 3.87 *higher* than the latter; during the spring, 8.09 *lower*; during the summer, 8.33 *lower*; and during the autumn nearly equal. As these two posts present little difference of elevation above the level of the ocean, and are in comparative proximity, the fact—that the winters are less rigorous and the summers more temperate, on the Great Lakes—is demonstrated to be owing, as on the ocean, to the equalizing agency of large bodies of water.

The Abstracts of 1827 furnish results corroborative of those of the preceding year. In comparing the Atlantic stations with those in the interior remote from inland seas, the following posts are taken:—

Fort Preble,	lat. 43° 38'
„ Constitution „	43° 04'

Mean East	43° 21'
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Fort Snelling, lat. 44° 53'
„ Armstrong „ 41° 28'

Mean West	43° 10'
-----------	---------

—See Table [C] p. 10.

During the winter, the mean of the E. is 2.27 *higher* than the W.; during the spring, 3.85 *lower*; during the summer, 8.26 *lower*; and during the autumn, 1.71 *lower*. At the W. the mean temperature of the year is 2.88 *higher*; and the extreme range of the thermometer is 15° greater.

A comparison between Forts Brady and Snelling, in relation to the influence of the Great Lakes, furnishes results confirmatory of those of the preceding year. See Table [D] p. 10.

During the winter, the mean of the former, although 1° 46' north of the latter, is 1.76 *higher*; during the spring, it is 8.09 *lower*; during the summer, 9.84 *lower*; and during the autumn, 2.37 *lower*. At Fort Snelling the mean annual temperature is 4.64 *higher*, and the extreme range of the thermometer is 14° greater.

[C]

PLACES OF OBSERVATION.	Latitude.	Mean Annual Temperature.	Range of the Thermometer.	WINTER.			SPRING.			SUMMER.			AUTUMN.		
				Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.
Atlantic	43° 21'	46.08	95 -8 103	20.37	19.50	28.11	34.72	47.18	53.99	62.33	63.85	65.90	60.98	50.97	33.21
Interior, remote from Lakes . . }	43° 10'	48.96	96 -22 118		24.93		36.08	47.97	63.38	72.13	76.22	73.50	64.22	50.76	35.31
								45.30			65.69			48.39	
					22.66			49.15			73.95			50.10	

[D]

PLACES OF OBSERVATION.	Latitude.	Mean Annual Temperature.	Range of the Thermometer.	WINTER.			SPRING.			SUMMER.			AUTUMN.		
				Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.
Fort Brady	46° 39'	41.46	84 -20 104	20.33	17.36	22.73	25.85	39.39	49.92	59.68	63.60	63.57	58.87	45.12	31.15
				13.01	17.26	24.86	31.74	44.76	62.93	71.95	74.06	70.35	61.02	49.26	31.99
					20.14			38.39			62.28			45.05	
Fort Snelling . .	44° 53'	46.10	96 -22 118		18.38			46.48			72.12			47.42	

Having demonstrated three systems of climate, viz.; that of the Atlantic Coast and of the Lakes, which have the extremes of temperature modified, and that of the region beyond the Lakes, characterized by strongly contrasted seasons, it is practicable, this year, by means of the thermometrical observations at West Point, to establish another system of climate. As the climate of the Lakes bears a close similitude to that of the sea-coast, so will this resemble that of the region beyond the Lakes. See Table [E] p. 12.

As West Point, New York, is on the same degree of latitude with Fort Trumbull (New London, Connecticut), and is distant only one and a half degree of longitude, no striking contrast in the results would be, *à priori*, anticipated. It is found, however, that the winters of the former are 4.67 colder, and the summer 1.00 warmer; and that although the mean annual temperature of Fort Trumbull is 1.56 higher, yet the heat is so equably distributed through the seasons that the difference between the mean temperature of winter and summer is only 35.89, whilst that of West Point is 41.56. It is thus seen that the isothermal and isocheimal lines, on leaving the coast, gradually diverge until they come within the influence of the Lakes, when they again converge; and that, having passed beyond the controlling power of these inland seas, their inflexions are once more in adverse directions. Hence it is apparent, that although two places may have the same mean annual temperature, and thus be on the same *isothermal* line; yet, owing to the seasons being nearly uniform or violently contrasted, the climates may be very different.

The Abstracts of 1828 furnish the usual results in regard to the equalizing influence of the Ocean and the Lakes. In the following table, a comparison is made between the same stations as in the prior year. See Table [F] p. 12.

During the winter, the mean of the Atlantic posts is 8.70 higher than that of Forts Snelling and Armstrong; during the spring, it is 2.43 lower; during the summer, 6.90 lower; and during autumn 0.80 higher. In the mean annual temperature, there is but a fractional difference; but the extreme range of the thermometer is 23° greater in the West.

The results obtained from a comparison of Forts Brady and Snelling, confirm the conclusions of prior years. See Table [G] p. 13.

During the winter, the mean temperature of the former is 3.47 higher than the latter; during the spring, it is 2.75 lower; during the summer, 12.61 lower; and during the autumn, 3.08 lower. At Fort Brady the difference between the mean temperature of winter and summer is 40.79, whilst at Fort Snelling it is 56.87.

Between West Point and Fort Trumbull the comparison is found also to quadruple with the general law.

[E]

PLACES OF OBSERVATION.	Latitude.	Mean Annual Temperature.	Range of the Thermometer.	WINTER.				SPRING.			SUMMER.			AUTUMN.		
				Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	
West Point . . .	41° 22'	51.66	101 -10 111	34.95	23.31	31.87	40.58	54.66	61.94	69.27	72.98	72.57	65.48	54.45	37.90	
Fort Trumbull . .	41° 22'	53.10	88 0 88	42.24	27.15	34.73	42.35	53.15	59.00	67.25	73.16	71.39	66.75	58.16	41.85	
					30.04			52.39			71.60			52.61		
					34.71			51.50			70.60			55.59		

[F]

PLACES OF OBSERVATION.	Latitude.	Mean Annual Temperature.	Range of the Thermometer.	WINTER.				SPRING.			SUMMER.			AUTUMN.		
				Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	
Atlantic	43° 21'	48.90	92 -2 94	33.72	28.20	34.61	35.48	43.46	56.05	65.68	70.00	69.51	62.21	49.75	40.99	
Interior, remote } from Lakes . . }	43° 10'	49.15	95 -22 117	29.17	17.35	23.94	33.96	46.64	61.15	73.68	76.62	75.59	59.88	52.20	38.03	
					32.18			44.83			68.40			50.82		
					23.48			47.26			75.30			50.02		

[G]

PLACES OF OBSERVATION.	Latitude.	Mean Annual Temperature.	Range of the Thermometer.	WINTER.			SPRING.			SUMMER.			AUTUMN.		
				Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.
Fort Brady . . .	46° 39'	42.38	91 -20 111	23.74	18.43	20.33	28.73	39.35	61.23	52.80	67.20	64.86	54.85	45.53	34.50
Fort Snelling. . .	44° 53'	46.34	92 -22 114	24.87	10.42	16.80	32.24	45.04	60.28	71.82	76.40	74.46	58.83	50.12	35.18
					20.83			43.10			61.62			44.96	
					17.36			45.85			74.23			48.04	

2

[H]

PLACES OF OBSERVATION.	Latitude.	Mean Annual Temperature.	Range of the Thermometer.	WINTER.			SPRING.			SUMMER.			AUTUMN.		
				Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.
West Point . . .	41° 22'	54.96	98 6 92	39.67	33.42	39.39	41.77	47.72	61.76	73.85	75.41	76.58	63.64	55.99	45.03
Fort Trumbull .	41° 22'	53.89	86 18 68	45.66	41.86	44.33	43.20	48.86	59.43	70.10	74.57	74.84	69.30	53.04	51.54
					37.49			50.42			75.28			56.55	
					43.95			50.50			73.20			59.63	

During the winter, the mean of the latter is 6.46 higher than the former; during the spring, it is 0.08 higher; during the summer, 2.08 lower; and during the autumn, 3.08 higher. At West Point, the range of the mercury is 24° greater than at Fort Trumbull.

The Abstracts of 1829 next come under notice. It will be seen that the data of this year lead to the same unvarying conclusions as in all former calculations. See Table [I] p. 15.

During the winter, the mean of the E. is 7.55 higher than the W.; during the spring, 5.41 lower; during the summer, 8.38 lower; and during the autumn 0.33 higher. On the ocean the range of the thermometer is 28° less than in the opposite locality.

The meteorological report from Fort Brady being imperfect, the usual comparative views are precluded. The establishment of a new post, however, at Houlton, in the interior of Maine, allows a more extended inquiry into the system of climate peculiar to the region lying between the sea-coast and the Lakes. The following posts constitute the points of comparison:—

Fort Preble, Maine	43° 38'	Hancock Barracks, Me.	46° 10'
“ Constitution, N. H.	43° 04'	West Point, N. York,	41° 22'
Mean lat.	43° 21'	Mean lat.	43° 46'

—See Table [K] p. 15.

During the winter, the mean of the coast is 4.32 higher than the interior; during the spring, 1.49 lower; during the summer, 0.90 lower; and during the autumn, 1.73 higher. On comparing the posts separately, the difference between the summer and winter temperature becomes more apparent. Thus, at Hancock Barracks, it is 47.49, and at Fort Preble 41.66; and at West Point 41.14, and at Fort Constitution 36.55. The extremes of temperature are also indicated by the range of the thermometer; for, whilst the thermometer at Hancock Barracks rises in the summer to 92° , and sinks in the winter 24° below zero, it attains at the Atlantic posts but the same height, and sinks no lower than 6° minus 0.

Lastly, the Abstracts of 1830, (which year constitutes the limit of the present investigation,) come under review. On a comparison of the Atlantic region with the interior beyond the Lakes, using the data of the same posts as in the preceding year, no variation is presented in the results. See Table [L] p. 16.

During the winter, the mean of the E. is 3.23 higher than the W.; during the spring, 5.60 lower; during the summer, 9.67 lower; and during the autumn, 3.01 lower. At the west, the range of the mercury is 14° greater; and, whilst the difference in the mean temperature of summer and winter is $53^{\circ} 63'$, it is but 40.77 on the Atlantic coast.

Resuming the comparison between Forts Brady and Snelling, the deductions of former years are confirmed. See Table [M] p. 16.

[I]

PLACES OF OBSERVATION.	Latitude.	Mean Annual Temperature.	Range of the Thermometer.	WINTER.			SPRING.			SUMMER.			AUTUMN.		
				Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.
Atlantic	43° 21'	45.71	92 -6 98	30.60	22.59	21.72	31.06	43.96	56.46	63.58	66.85	65.72	55.40	48.37	38.36
				29.84	20.86	9.96	31.21	48.88	67.62	73.88	74.30	73.11	60.35	52.62	28.47
Interior remote from lakes . . . }	43° 10'	47.59	96 -30 126	27.77			43.83			65.38			47.38		
				20.22			49.24			73.76			47.15		

[K]

PLACES OF OBSERVATION.	Latitude.	Mean Annual Temperature.	Range of the Thermometer.	WINTER.			SPRING.			SUMMER.			AUTUMN.		
				Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.
Atlantic	43° 21'	45.72	92 -6 98	31.60	22.54	21.71	31.06	43.96	56.46	63.58	66.86	65.72	55.90	48.37	38.36
				27.45	19.48	18.99	30.06	45.52	60.37	65.68	66.29	66.90	54.95	47.68	34.32
Interior, &c. . .	43° 46'	44.81	92 -24 116	26.29			43.83			65.39			47.38		
				21.97			45.32			66.29			45.65		

[L]

PLACES OF OBSERVATION.	Latitude.	Mean Annual Temperature.	Range of the Thermometer.	WINTER.				SPRING.			SUMMER.			AUTUMN.		
				Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	
Atlantic	43° 21'	47.07	94 -16 110	32.90	21.43	22.04	31.74	47.40	53.59	62.59	69.49	66.62	57.91	50.84	45.28	
				21.01	18.82	26.99	37.59	53.89	61.04	71.29	81.51	74.90	60.78	55.87	46.39	
Interior remote from lakes . . . }	43° 10'	50.92	98 -26 124	25.46				45.24			66.23			51.34		
				22.27				50.84			75.90			54.35		

[M]

PLACES OF OBSERVATION.	Latitude.	Mean Annual Temperature.	Range of the Thermometer.	WINTER.				SPRING.			SUMMER.			AUTUMN.		
				Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	
Fort Brady . . .	46° 39'	43.38	93 -26 119	24.66	13.19	18.67	27.92	46.18	48.48	59.35	71.00	62.33	55.22	49.50	44.08	
				15.64	14.18	23.60	34.00	51.77	59.70	70.31	81.66	73.21	58.70	54.74	42.79	
Fort Snelling . .	44° 53'	48.00	94 -26 120	18.84				40.86			64.23			49.60		
				17.81				48.39			75.06			52.08		

During the winter, the mean of the former is 1.03 higher than the latter,—a difference, which would be much increased were November instead of February taken as a winter month; during the spring, the mean is 7.53 lower; during the summer, 10.83 lower; and during the autumn, 2.48 lower. It thus appears that although Fort Brady, situated at the Sault St. Marie, near the outlet of Lake Superior, is $1^{\circ} 46'$ north of Fort Snelling, at the junction of the St. Peter's and the Mississippi, yet there is a difference of nearly 11° in their isothermal lines.

Of the four subdivisions in the northern region of the United States, two are characterized as *modified* climates and two as *excessive*. With the view to test the accuracy of this proposition in a general comparison, one post has been so selected from each system of climate, that the mean latitude shows a difference of but $15'$. Thus, the following stations constitute the points of comparison in the subjoined table:—

Fort Brady, $46^{\circ} 39'$	Hancock Barracks, $46^{\circ} 10'$
" Wolcot, $41^{\circ} 30'$	Fort Armstrong, $41^{\circ} 28'$
Mean lat. $44^{\circ} 04'$	Mean lat. $43^{\circ} 19'$

—See Table [N] p. 18.

During the winter, the mean of the former is 4.12 higher than the latter; during the spring, it is 3.97 lower; during the summer, 4.30 lower; and during the autumn there is but a fractional difference. Between winter and spring the modified climate shows a mean difference of 18.49, whilst that of the excessive climate rises to 26.52; and between winter and summer, it is in the former 41.17 and in the latter 49.59. The table indicates little difference in the extreme range of the thermometer; but, on reference to Abstract No. XIII. for 1830, it will be found that Fort Armstrong, the most *southern* post, exhibits the *highest* range. This phenomenon, which is owing to the circumstance that the position is farthest removed from the agency of large seas, shows that latitude alone constitutes a very uncertain index of the character of climate.

The investigation of the northern division will be now concluded, by giving several abstracts, showing the mean result of the five years' observation. The following table affords a condensed view of all the comparisons instituted between the sea-board and the region beyond the Lakes. See Table [O] p. 18.

During the winter, the mean of the former is 6.05 higher than that of the latter; during the spring, 4.13 lower; during the summer, 8.71 lower; and during the autumn, 0.40 lower. As the winters are colder and the summers warmer in the latter region, it is also shown that the extreme range of the thermometer is 12° greater.

[N]

CLIMATES or OBSERVATION.	Latitude.	Mean Annual Temperature.	Range of the Thermometer.	WINTER.			SPRING.			SUMMER.			AUTUMN.		
				Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.
Modified	44° 01'	46.58	93 -26 119	31.13	21.33	23.10	32.91	46.36	51.71	61.60	70.67	65.28	57.98	51.96	45.05
				26.08	15.20	21.91	34.32	51.14	57.42	66.51	74.74	70.49	58.42	52.25	44.07
					25.18			43.67		66.35				51.66	
Excessive	43° 49'	47.76	98 -24 122		21.06			47.60		70.65				51.57	

[O]

PLACES or OBSERVATION.	Mean Latitude.	Mean Annual Temperature.	Range of the Thermometer	WINTER.			SPRING.			SUMMER.			AUTUMN.		
				Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.
Sca-coast	43° 18'	47.19	98 -24 122	33.20	24.18	26.45	34.21	44.76	55.37	63.26	68.96	67.43	59.85	50.42	39.73
				25.07	18.82	21.78	34.20	48.05	64.49	75.04	76.81	73.92	60.85	52.92	37.43
					27.94			44.78		66.55				50.00	
Region beyond the lakes . . . }	43° 10'	48.99	101 -30 134		21.89			48.91		75.26				50.40	

Deeming it unnecessary to give the course of the winds and other states of the weather for each year, an abstract for the whole period is now presented.* See Table [P] p. 20.

The ratios between the seasons on the Atlantic coast and the interior remote from large bodies of water, based on five years' observation, have been thus reduced to numerical expressions. Although fair weather prevails in both regions, a marked difference obtains in regard to the relative proportion. On the sea-coast, the annual ratio of fair days is 202, and in the opposite locality 240; the cloudy days are as 108 to 77; the rainy days are as 45 to 31; and those of snow are as 9 to 16. These ratios, far from being accidental, result from the operation of fixed laws. As the annual quantity of rain depends upon the amount of evaporation, it increases, as a general rule, in proportion as the equator is approached; and in regard to the seasons, the greatest amount falls when the mean monthly temperature is highest. As this augmented quantity in warm maritime countries falls at a particular season, and in a shorter space of time, than in colder regions, the annual number of dry days, particularly in inland districts, is proportionally increased. On the contrary, in the cold or temperate maritime localities now under consideration, different results follow. Although much less in annual quantity than in warmer regions, the rain descends much more frequently, but in slighter showers; and hence, a ready explanation is afforded of the fact, that the number of wet and foggy days on the New England coast is one-half greater than in the dry and cold region beyond the Lakes. Humboldt has given the following table as the proportional quantity of rain in different latitudes:—

Lat.			Mean annual depth of rain.
0	.	.	96 inches
19	.	.	80 "
45	.	.	29 "
69	.	.	17 "

In regard to a particular locality, much will also depend upon the prevailing winds; for it has been observed that the number of days in a year during which the winds blow from a certain point of the compass, at a given place, preserves a constant ratio. This follows from the fact that the force and direction of winds depend on general causes, such as the declination of the sun, the configuration of the coast, and the position of neighbouring continents. This fact is illustrated throughout the Abstracts generally. By way of example, the results of three years' observation at Fort Gibson, are annexed. See Table [Q] p. 20.

* As the proportion of winds and weather, throughout all the Abstracts, is calculated for the average of a month, the result for a year may be readily determined.

{ P }

PLACES OF OBSERVATION.	Mean Latitude.	WINDS.										WEATHER.					
										Prevailing.							
		N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Fair.	Cloudy.	Rain.	Snow.	Prevailing.			
Sea-coast	43° 18'	1.71	5.46	3.47	1.69	2.35	6.36	5.23	4.25	S.	16.89	9.09	3.77	0.79	Fair.		
Region beyond the lakes	43° 10'	3.89	3.30	1.51	2.00	2.88	7.16	4.19	6.07	S.	20.04	6.46	2.60	1.36	Fair.		

[Q]

FORT GIBSON.	WINDS.								WEATHER.					
	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cloudy.	Rain.	Snow.	Prevailing.
	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.
1828	2.08	3.25	1.67	1.50	20.42	0.50	1.00	0.08	S.E.	19.00	9.25	2.08	0.17	Fair.
1829	2.67	3.08	4.83	1.58	13.50	1.17	2.58	1.00	S.E.	18.92	6.67	4.50	0.18	Fair.
1830	1.75	3.08	4.92	2.83	15.00	0.83	1.42	0.58	S.E.	19.17	6.67	4.17	0.42	Fair.

Comparing the seaboard with inland localities remote from Lakes, the contrast in the seasons of winter, spring, and summer, is very remarkable; and the influence of this difference of climate upon the animal economy and the vegetable kingdom, is no less striking; for, as Baron Humboldt remarks,—“a summer of uniform heat excites less the force of vegetation, than a great heat preceded by a cold season.”

The following abstract furnishes a condensed view of the numerical results obtained from the preceding annual comparisons between localities in the interior,—the one being under, and the other without, the equalizing influence of inland seas. See Table [R] p. 22.

Fort Snelling, near the junction of the St. Peter's and the Mississippi, constitutes the latter place of observation, and the other point is a mean between Forts Brady and Mackinac, the former situated near the outlet of Lake Superior and the latter on the island of Mackinac. Three years' observations were made at the former and one at the latter. Although the latitude on the Lake is $1^{\circ} 34'$ north of the other, and presents a mean annual temperature 4.25 lower, yet the mean winter temperature is 2.54 *higher*; during the spring, the mean temperature is 6.65 *lower*; during the summer, it is 10.40 *lower*; and during the autumn, 2.04 lower. These ratios show a contrast in the seasons no less striking than that exhibited on a comparison with the Atlantic coast. No objection can be urged against this comparative view on the ground of relative elevation, as Fort Brady is 595 feet, and Fort Mackinac 728 feet,* and Fort Snelling 780 feet above the level of tide water.

The following tabular statement of the course of the winds and the state of weather, based on the same years of observation as the abstract just given, will determine whether the agency of the Lakes induces the same meteorological relations, in this respect, as the ocean. See Table [S] p. 22.

On the Lakes, the annual ratio of fair days is 117, and in the opposite locality, 215; the cloudy days are as 127 to 73; the rainy, as 63 to 46; and the snowy as 45 to 29. In the former, the prevailing weather is cloudy, and in the latter it is fair. The ratio of cloudy days is even higher on the Lakes than on the Atlantic coast. As it is of great importance to determine the annual quantity of rain which falls on any point of the earth's surface, it is much to be regretted that more extensive observations have not been made at these posts on the pluviometer.†

* Fort Mackinac is elevated 150 feet above the surface of the Lake.

† Vide Note at end of “Remarks.”

[R]

CLIMATES OF OBSERVATION.	Mean Latitude.	Mean Annual Temperature.	Range of the Thermometer.	WINTER.				SPRING.			SUMMER.				AUTUMN.		
				Dec.	Jan.	Feb.		Mar.	April	May	June	July	Aug.		Sept.	Oct.	Nov.
Inland seas	46° 27'	42.22	93 -26 119	23.04	16.98	19.85		27.20	39.41	52.56	58.24	67.13	63.51		55.94	47.19	36.33
				18.17	13.74	20.35		31.90	44.81	62.42	71.53	76.49	72.07		58.47	50.81	36.31
					19.96				39.73			62.96			46.49		
Remote from seas	44° 53'	46.47	96 -26 122		17.42				46.38			73.36				48.53	

[S]

PLACES OF OBSERVATION.	Mean Latitude.	WINDS.										WEATHER.				
		N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.		Prevailing.	Fair.	Cloudy.	Rain.	Snow.	Prevailing.
		Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.			Days.	Days.	Days.	Days.	
Inland seas	46.27	2.39	5.81	3.16	4.56	4.49	2.46	3.58	3.99	N.W.		9.79	11.58	5.27	3.79	C'dy.
Remote from seas	44.53	1.46	3.73	1.02	1.31	2.83	4.65	6.68	8.75	W.		17.96	6.15	3.89	2.44	Fair.

The meteorological phenomena of Canada, Nova Scotia, New Brunswick, and Newfoundland, according to the observations of the British Army Surgeons, are in perfect harmony with the laws just illustrated. In Canada, the climate exhibits such sudden alternations of temperature that the mercury at Quebec has been known to fall 70° in the course of 12 hours. Cold weather sets in as early as November, from the end of which month till May the ground remains covered with snow to the depth of three or four feet. When the winds blow with violence from the North-east, the cold become so excessively intense, that the mercury congealed in the thermometer serves no longer to indicate the reduction of temperature. During winter, the general range is from the freezing point to 30° below zero. The seasons do not, as in more temperate regions, glide imperceptibly into each other. In June, July, and August, the heat, which often attains 95° of Fah., is frequently as oppressive as in the West Indies.

The climate of Nova Scotia, although in similar latitudes, exhibits a striking contrast to that of Canada. The temperature is not only modified by its insular position, but the interior of the peninsula "is so much intersected by lakes and bays, that nearly one-third of its surface is under water." The thermometer seldom rises above 88° in summer, or sinks lower than 6° or 8° below zero in winter. Were it practicable to obtain the requisite data, it would be interesting to institute a comparison between the seasons of this region and those of Canada.

The climate of Newfoundland is similar to that of Nova Scotia. The summers, however, owing to the meeting of the icebergs on the coast, are less warm, of shorter duration, and subject to more sudden vicissitudes.

Having illustrated rather minutely the several systems of climate pertaining to the northern division, the necessity of similar details in reference to the other two divisions is superseded. It is the more unnecessary, as Abstracts A, B, C, appended to these "Remarks," will enable one at a glance to trace out the meteorological relations of any region of the United States. The first exhibits the mean temperature of each month, each season and the whole year; the second shows the difference between the mean temperature of each month and season; and the third contains the annual and monthly ranges of temperature. It will be found that the same laws prevail in the middle region of the United States as in the northern, viz., that the seasons grow less uniform in proportion as we recede from the sea-coast. Thus, Washington City and Fortress Monroe, on the one hand, show less difference between the mean temperature of summer and winter than Jefferson Barracks and Fort Gibson on the other; and in examining the annual range of the thermometer and the mean of the monthly ranges, similar contrasts are revealed. No reference was made to the latter mode of comparison in investigating the four systems of climate of the northern division. On applying the rule, however, it

will be found that every principle in relation to modified and excessive climates is happily confirmed. On approaching the southern coast, climate undergoes a striking modification. The seasons glide imperceptibly into each other, exhibiting no great extremes; thus, at Fort Snelling the difference between the mean temperature of the warmest and coldest month is $61^{\circ} 18'$, whilst at Cantonment Brooke, it is no more than $17^{\circ} 68'$. The Peninsula of Florida, however, is wholly peculiar in this respect; the course of vegetable life is unceasing: wild flowers spring up and flourish in the month of January; and so little is the temperature of the lakes and rivers diminished during the winter months, that one may almost at any time bathe in their waters.

The most prominent features of climate exhibited throughout the United States have thus been referred to in a general way. As these systems of climate consist of numerous subdivisions, which can be determined only by observation, a *comparative* view of them remains a desideratum; but the hope may be indulged, from present indications, that materials will in a few years be furnished for the composition of a complete meteorological chart, in which they may be systematically arranged.

The following tabular statement shows the mean annual temperature of various places, and the number of years upon which the results are based, with their locality, latitude, longitude, and height above the level of the sea. The table extends over a period of eleven years, but it does not perhaps embrace a moiety of the results that may be obtained from the observations of the same period. The elevation of some interior posts above tide-water, could not be ascertained, whilst the heights of those given are merely approximations:—

[T]

No.	PLACES OF OBSERVATION.	POSITION.			No. of years of observ.	Mean annual temp.
		Lat.	Long.	No. of ft. ab'e the level of ocean.		
1	Fort Brady (<i>outlet of L. Superior</i>)	46°39'	84°43'	595	6	41°89'
(2)	Hancock Barracks (<i>Me.</i>)	46 10	67 50		2	41 21
2	Fort Mackinac (<i>Isle of Mackinaw</i>)	45 51	85 05	728	2	40 56
3	„ Snelling (<i>near the junction of St. Peter's and Mississippi</i>)	44 53	93 08	780	10	45 34
4	„ Sullivan (<i>Eastport, Me.</i>)	44 44	67 04		5	42 97
5	Plattsburgh (<i>L. Champlain</i>)	44 41	73 26		1	47 01
6	Fort Howard (<i>Green Bay</i>)	44 40	87 00	600	9	44 93
7	Madison Barracks, Sackett's Harbour (<i>L. Ontario</i>)	43 57	76 04	250	1	48 60
8	Fort Preble (<i>Portland, Me.</i>)	43 38	70 18		5	46 34
9	„ Niagara (<i>Youngstown, N. Y.</i>)	43 15	79 05	250	2	51 69
10	„ Constitution (<i>Portsmouth, N.H.</i>)	43 04	70 49		4	47 21
11	„ Crawford (<i>Prairie du Chien, Wiscon.</i>)	43 03	90 53	580	4	45 65
12	„ Independence (<i>Boston</i>)	42 22	71 02		1	46 24
13	„ Wolcott (<i>Newport, R. I.</i>)	41 30	71 18		10	50 55
14	„ Armstrong (<i>Rock Island, Ill.</i>)	41 28	90 33		4	51 63
15	Council Bluffs (<i>near the junction of Platte and Missouri</i>)	41 45	96 00	800	6	50 50
16	West Point (<i>N. Y.</i>)	41 22	73 57		4	52 47
17	Fort Trumbull (<i>N. London, Con.</i>)	41 22	72 05		2	55 00
18	„ Columbus (<i>N. Y. Harbour</i>)	40 42	74 02		9	53 00
19	Alleghany Arsenal (<i>Pittsburgh</i>)	40 26	80 02	704	1	53 69
20	Fort Mifflin (<i>near Philadelphia</i>)	39 51	75 12		2	55 28
21	„ Delaware (<i>near New Castle</i>)	39 35	75 29		1	56 71
22	„ Severn (<i>Annapolis, Md.</i>)	38 58	76 27		2	56 40
23	Washington (<i>D. C.</i>)	38 53	76 55		8	56 57
24	Fort Washington (<i>Md.</i>)	38 41	76 58		1	58 02
25	Jefferson Barracks (<i>Mo.</i>)	38 28	90 08		4	58 14
26	F's Monroe (<i>Old Point Comfort, Va.</i>)	37 02	76 12		5	61 43
27	Fort Norfolk (<i>Va.</i>)	36 51	76 11		1	63 28
28	„ Gibson (<i>Arkansas.</i>)	35 47	95 10		3	62 90
29	„ Johnston (<i>Coast of N. C.</i>)	34 00	78 05		7	66 89
30	Augusta Arsenal (<i>Ga.</i>)	33 28	81 53		5	66 01
31	Fort Moultrie (<i>Charleston Harbour</i>)	32 42	79 56		3	64 49
32	„ Jesup (<i>near Sabine River, La.</i>)	31 30	93 47		8	67 94
33	Cantonment Montpelier (<i>Ala.</i>)	31 11	87 57		1	67 47
34	Fort Scott (<i>Ga.</i>)	30 49	84 47		1	68 54
35	Fernandina (<i>Amelia Island</i>)	30 40	81 37		2	70 06
36	Baton Rouge (<i>La.</i>)	30 26	91 18		1	68 07
37	Canton. Clinch (<i>near Pensacola</i>)	30 24	87 14		7	69 44
38	Petite Coquille (<i>near N. Orleans</i>)	30 10	89 38		4	71 25
39	Fort Gadsden (<i>Fl.</i>)	29 56	85 05		1	69 54
40	New Orleans (<i>La.</i>)	29 57	90 14		1	72 36
41	Fort Marion (<i>St Augustine, Fl.</i>)	29 50	81 27		4	72 49
42	„ St. Philip (<i>La.</i>)	29 29	89 71		1	70 45
43	Cant. Brooke (<i>Tampa Bay, Fl.</i>)	27 57	82 35*		5	72 80

* These degrees of latitude and longitude are in most cases merely approximations.

A reference to abstracts A, B, C, giving the ratios of the mean temperature of months and seasons, and to the tables comparative of positions on the Atlantic, the Lakes, and in the interior remote from such agencies, will illustrate pretty fully the diversities of our climate.

Although the extremes of annual temperature may occur at our most northern and southern posts, yet we do not there find the extremes of heat and cold. The tabular statement exhibiting the hottest and coldest day in each year, from 1820 to 1830, inclusive, given below, establishes this position. See table [U] p.27. As the western posts, Snelling, Gibson, Council Bluffs, &c., remote from inland seas, are remarkable for extremes of winter and summer, so do they exhibit the hottest and coldest days and the greatest range of the thermometer. Forts Brady and Mackinac, the most northern stations, show, by a lesser range of the thermometer, the equalizing influence of the Lakes; whilst the Atlantic posts illustrate the controlling power of the ocean. In elucidation of the same law, we find that the mean summer temperature is greater at Augusta, Ga., than at St. Augustine or Tampa Bay, Florida. A reference to the subjoined tabular review, and to Abstracts A, B, C, showing the numerical ratios of the mean temperature of each month and season, and the annual and monthly ranges of temperature, will exhibit in strong contrast the diversities in these *particular systems* of climate. In Africa, the mercury is sometimes seen at 125° , and in British India it is said to have been as high as 130° . In the table of the highest temperature observed in different climates, as given by M. Arago, it is noted at 130° in the Oasis of Mourzouk. In our own Diaries, it is marked at 116° , on the 15th August, 1834, at Fort Gibson.* As no register-thermometers have been used at our posts, the range throughout the 24 hours may be greater than that given in the Diaries. The interior posts remote from Lakes, are denoted in the subjoined table [U] by an asterisk; whilst those on lakes, or the sea-board and its vicinity, are without any sign.

This table confirms the position that extremes of temperature are found as we approach the interior of a continent, unless modified by inland seas. Even along our southern coast the extreme of heat is less than on our more northern sea-board. The United States, it has been seen, present numerous *systems of climate* in which the division of the annual heat among the different seasons exhibits remarkable diversity.

* According to Assistant Surgeon J. B. J. Wright.

PLACES OF OBSERVATION.	Lat.	Lowest degree.	Highest degree.	PLACES OF OBSERVATION.	Lat.	Lowest degree.	Highest degree.	PLACES OF OBSERVATION.	Lat.	Lowest degree.	Highest degree.
1820.				Portland (Me.)	43°38'	-10	96	Eastport (Me.)	44°41'	-19	86
*Fort Snelling	44°53'	-30	93	Portsmouth (N. H.)	43 04	-7	86	*Prairie du Chien	43 03	-28	96
Portsmouth (N. H.)	43 04	-3	91	*Prairie du Chien	43 03	-22	94	Boston Harbour	42 22	-8	90
*Prairie du Chien (Wis.)	43 03	-23	99	*Fort Armstrong (Ill.)	41 28	-15	94	*Council Bluffs	41 25	-21	103
Boston Harbour	42 22	-1	98	Boston Harbour	42 22	-7	92	N. York Harbour	40 42	2	96
*Council Bluffs	41 25	-22	105	*Council Bluffs	41 25	-17	108	Charleston Harbour	32 42	24	91
New London (Conn.)	41 22	8	88	Fort Johnston (N. C.)	34 00	26	90	Cant. Clinch (n'r Pens.)	30 24	24	95
Fort Johnston (N. C.)	34 00	28	90	Cant. Clinch (n'r Pens.)	30 24	20	93				
New Orleans	29 57	35	92								
1821.				1823.							
*Fort Snelling	44 53	-32	92	Fort Brady	46 39	-30	90	Fort Brady	46 39	-21	89
Portland (Me.)	43 38	-18	91	*Fort Howard (Wis.)	44 40	-38	100	Eastport (Me.)	44 44	-5	94
Portsmouth (N. H.)	43 04	-12	90	Eastport (Me.)	44 44	-10	90	*Fort Howard	44 40	-25	100
*Prairie du Chien (Wis.)	43 03	-36	91	Boston Harbour	42 22	-3	97	Boston Harbour	42 22	-5	98
Boston Harbour	42 22	-10	99	*Council Bluffs	41 25	-16	102	*Council Bluffs	41 25	-11	102
*Fort Armstrong (Ill.)	41 28	-28	91	N. York Harbour	40 42	3	91	N. York Harbour	40 42	-3	104
*Council Bluffs	41 25	-13	100	Charleston Harbour	32 42	19	89	Charleston Harbour	32 42	28	94
Fort Johnston (N. C.)	34 00	30	89	Cant. Clinch (n'r Pens.)	30 24	11	94	St. Augustine	29 50	42	94
Fort St. Philip (La.)	29 29	32	92								
1822.				1824.							
*Fort Snelling	44 53	-29	92	Fort Brady	46 39	-33	84	Fort Brady	46 39	-37	—
				*Fort Snelling	44 53	-27		*Fort Mackinac	45 51	-31	82

Eastport is north of Fort Howard.

Boston is north of Fort Howard.

Table [U] continued.

PLACES OF OBSERVATION.	Lat.	Lowest degree.	Highest degree.	PLACES OF OBSERVATION.	Lat.	Lowest degree.	Highest degree.	PLACES OF OBSERVATION.	Lat.	Lowest degree.	Highest degree.
*Fort Snelling	44° 53'	-23	92	1828.	46° 39'	-20	91	*Jefferson Barracks	38° 28'	1	97
Eastport	44 44	-24	98	Fort Brady	44 53	-22	92	*Fort Gibson	35 30	0	106
*Fort Howard	41 40	-30	100	*Fort Snelling	44 44	-10	85	Fort Johnston	34 00	21	86
Boston Harbour	42 22	-10	98	Eastport	43 03	-11	97	Charleston Harbour	32 42	22	100
*Fort Armstrong	41 28	-18	90	*Prairie du Chien	42 22	3	94	Tampa Bay	27 57	28	92
*Council Bluffs	41 25	-16	104	Boston Harbour	40 42	9	90				
N. York Harbour	40 42	1	97	*Jefferson Barracks	38 28	10	100	1830.			
Fort Johnston	34 00	28	86	*Fort Gibson	35 30	19	101	Fort Brady	46 39	-26	93
Tampa Bay (Fl.)	27 57	28	92	Fort Johnston	34 00	42	86	*Fort Snelling	44 53	-26	94
				Tampa Bay	27 57	50	94	Eastport	44 44	-14	93
1827.								*Fort Howard	44 40	-26	100
*Fort Snelling	44 53	-22	96					*Prairie du Chien	43 03	-23	94
Eastport	44 41	-4	89					Boston Harbour	42 22	-4	93
*Sackett's Harbour	43 57	-27	82	1829.	46 10	-24	92	*Fort Armstrong	41 28	-24	98
Boston Harbour	42 22	-7	94	*Hancock Barracks	44 53	-30	90	N. York Harbour	40 42	5	98
*Fort Armstrong	41 28	-6	94	*Fort Snelling	44 44	-16	82	*Council Bluffs	41 25	—	105
*Council Bluffs	41 25	-12	—	Eastport	41 40	-32	92	Fort Severn (Annapolis)	38 58	10	100
*West Point	41 22	-10	101	*Fort Howard	42 22	-4	88	*Jefferson Barracks	38 28	-5	98
N. York Harbour	40 42	0	96	Boston Harbour	41 28	-16	96	*Fort Gibson	35 30	3	107
*Augusta (Ga.)	33 28	26	102	*Fort Armstrong	40 42	7	95	Charleston Harbour	32 42	20	94
Charleston Harbour	32 42	16	89	N. York Harbour	39 25	-22	95	Tampa Bay	27 57	30	92
Tampa Bay	27 57	26	94	*Fort Leavenworth							

⚓ Council Bluffs is north of New York.

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No. I.

PLACES OF OBSERVATION.		THERMOMETER.					WINDS.							WEATHER.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
		Mean Temperature.			Mean Aggregate Temperature	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.

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PLACES OF OBSERVATION.	THERMOMETER.					WINDS.							WEATHER.			
	Mean Temperature.			Mean Aggregate Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.
	A.M.	P.M.	P.M.													
	VII.	II.	IX.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.
Fort Mackinac	13.67	21.92	17.39	17.66	38	-8	46	4	5	-	1	2	4	1	11	W.
Fort Snelling	8.92	26.07	13.46	16.15	50	-20	70	-	5	-	1	1	7	12	3	S.W.
Fort Sullivan	18.46	27.50	22.21	22.72	48	-20	68	-	5	5	1	1	2	6	8	W.
Fort Howard	14.96	26.42	15.17	18.85	46	-32	78	2	4	1	-	-	2	16	3	S.W.
Fort Wolcott	31.39	36.00	33.50	33.63	53	7	66	-	9	4	1	4	-	9	1	S.W.
Council Bluffs	14.46	35.21	21.25	33.64	58	-10	68	12	1	-	2	2	8	2	1	N.W.
Fort Columbus	27.17	35.25	31.51	31.31	55	1	54	3	6	4	1	-	3	5	6	N.W.
Fort Delaware	31.71	43.92	35.65	37.09	56	20	36	-	9	6	-	2	-	11	-	S.W.
Washington city	36.00	47.00	41.00	41.33	68	11	57	2	4	3	5	8	1	12	-	S.W.
Fortress Monroe	45.14	51.75	47.82	48.23	63	32	31	1	3	3	1	1	5	7	7	N.
Fort Johnston	52.92	58.98	57.25	56.38	70	42	28	7	5	1	2	4	-	5	7	W.
Augusta	51.64	59.64	57.35	56.21	76	37	39	2	2	2	6	4	2	2	1	N.
Canton. Jesup	47.39	66.21	59.67	57.76	79	28	51	7	1	6	2	4	2	3	1	N.E.
Canton. Clinch	54.60	62.75	58.78	58.71	72	38	34	-	6	2	2	12	3	2	-	S.E.
New Orleans	58.25	68.78	62.67	63.27	84	42	42	1	3	8	5	2	2	2	5	S.E.
St. Augustine	63.21	67.14	64.60	64.98	77	52	25	4	1	9	1	5	3	-	5	N.E.
Canton. Brooke	62.28	77.50	68.85	69.54	88	58	30	-	5	1	8	6	2	3	3	E.

APRIL.

No. IV.

PLACES OF OBSERVATION.	THERMOMETER.							WINDS.							WEATHER.						
	Mean Temperature.			Aggregate	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.
	A.M.	P.M.	P.M.																		
	VII.	II.	IX.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.
Fort Mackinac	29.80	36.23	32.53	32.85	46	10	36	4	3	6	4	2	8	8	11	7	11	8	4	4	W.
Fort Snelling	31.90	45.93	35.20	37.68	60	4	56	-	1	5	5	4	1	9	10	14	9	14	4	3	W.
Fort Sullivan	35.14	47.80	35.90	39.61	60	16	44	3	8	2	-	-	9	3	5	16	13	16	1	-	S.
Fort Howard	30.10	52.03	36.40	39.51	68	4	64	-	-	1	-	-	-	21	-	14	11	14	4	4	S.W.
Fort Wolcott	39.50	49.20	42.60	44.03	64	21	43	-	12	5	-	5	-	8	-	13	7	13	6	4	N.W.
Council Bluffs	40.86	57.00	46.00	47.95	88	13	75	-	9	6	-	3	11	-	1	11	14	11	4	1	S.
Fort Columbus	38.26	49.23	42.33	43.27	63	20	43	2	7	3	3	5	5	5	-	13	13	11	4	4	N.W.
Fort Delaware	42.13	55.86	39.33	45.77	70	26	44	1	9	1	-	5	-	14	-	21	7	11	4	2	S.W.
Washington city	47.66	59.83	52.60	53.36	81	31	50	4	7	8	-	7	4	3	1	17	5	17	7	1	N.
Fortress Monroe	54.23	59.66	56.00	56.63	76	34	42	2	2	2	7	4	3	3	3	18	6	18	6	6	E.
Fort Johnston	63.46	68.86	66.55	66.29	79	46	33	8	3	1	-	-	13	2	3	22	5	22	5	3	S.
Augusta Arsl.	64.00	71.60	68.69	68.09	84	51	33	-	1	4	3	4	4	9	8	21	4	21	4	5	S.W.
Canton. Jesup	65.46	76.90	68.33	70.23	88	40	48	5	4	8	3	9	1	-	-	17	6	17	6	7	S.E.
Canton. Clinch	67.38	74.73	70.10	70.72	82	44	38	-	5	-	-	6	2	17	-	23	-	23	-	7	S.W.
New Orleans	70.16	78.23	69.23	72.54	88	52	36	3	3	5	9	3	3	2	3	16	12	16	2	2	E.
St. Augustine	72.93	76.40	73.23	74.19	84	60	24	1	-	10	3	3	1	9	2	24	4	24	4	2	N.E.
Canton. Brooke	67.80	83.06	73.46	74.77	86	62	24	-	3	4	6	5	1	1	10	26	3	26	3	1	W.

MAY.

No. V.

PLACES OF OBSERVATION.	THERMOMETER.							WINDS.							WEATHER.			
	Mean Temperature.			Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Cl'dy. Fair.	
	A.M.	P.M.	P.M.															
																		VII.
	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.		Days.
Fort Mackinac	48.12	53.45	50.22	50.59	70	32	38	2	1	-	13	-	4	2	9	E.	15	
Fort Snelling	63.51	74.38	62.38	66.76	89	36	53	-	1	-	1	7	11	7	4	S.	21	
Fort Sullivan	48.77	66.22	46.90	53.96	90	38	52	2	4	-	6	1	11	5	2	S.	22	
Fort Howard	52.06	76.61	58.38	62.55	94	36	58	-	-	15	-	-	-	16	-	S.W.	16	
Fort Wolcott	54.54	66.03	58.16	59.58	76	44	32	-	4	3	-	5	-	18	1	S.	16	
Council Bluffs	62.97	83.45	68.74	71.72	98	44	54	2	1	1	1	2	23	1	-	S.W.	16	
Fort Columbus	59.12	74.96	60.58	64.88	91	44	47	1	1	-	2	3	19	5	-	S.	20	
Fort Delaware	65.13	78.45	64.82	69.46	89	54	35	-	3	-	-	5	1	21	1	S.W.	26	
Washington city	64.16	81.64	74.48	73.42	93	56	37	1	6	6	1	5	3	7	2	S.W.	22	
Fortress Monroe	68.80	74.83	71.09	71.57	84	58	26	1	-	3	2	9	4	7	5	S.E.	19	
Fort Johnston	72.19	78.29	72.54	74.34	82	64	18	8	1	-	1	-	8	5	8	S.	27	
Augusta Arsl.	71.29	81.93	79.16	77.46	90	61	29	2	3	3	1	5	3	14	-	S.W.	26	
Canton, Jesup	75.41	83.67	74.64	77.91	91	56	35	-	2	2	4	6	12	5	-	S.	19	
Canton, Clinch	73.80	83.06	77.38	78.08	92	66	26	-	3	4	-	5	9	10	-	S.W.	24	
New Orleans	71.12	85.45	76.25	77.61	92	62	30	6	1	4	4	4	8	3	1	S.	27	
St. Augustine	77.19	80.41	77.19	78.26	84	75	9	2	4	11	1	9	-	4	-	N.E.	27	
Canton, Brooke	75.67	87.35	76.19	79.74	90	62	28	-	1	3	11	7	3	2	-	E.	23	

PLACES OF OBSERVATION.	THERMOMETER.						WINDS.										WEATHER.				
	Mean Temperature.			Mean Aggregate Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.
	A.M.	P.M.	P.M.																		
VII.	II.	IX.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.
Fort Mackinac	57.46	66.30	59.76	61.14	84	48	36	3	2	-	10	-	4	-	11	W.	11	7	12	-	Rain.
Fort Snelling	71.13	78.53	66.50	72.05	92	56	36	1	3	-	2	2	3	5	11	W.	14	6	10	-	Cl'dy.
Fort Sullivan	54.93	72.13	53.16	60.07	85	45	40	1	4	2	2	1	11	9	-	S.	23	6	1	-	Fair.
Fort Howard	58.63	82.10	62.93	67.89	98	44	54	1	-	14	-	-	-	14	1	S.W.	14	11	5	-	Cl'dy.
Fort Wolcott	61.43	68.66	62.63	64.24	82	51	31	-	1	5	1	4	-	19	-	S.W.	13	5	12	-	"
Council Bluffs	69.06	88.13	71.90	76.40	99	58	41	4	5	5	1	3	10	2	2	S.	23	5	2	-	Fair.
Fort Columbus	66.66	76.56	66.00	69.77	95	51	44	-	3	3	4	7	3	8	3	S.W.	17	8	5	-	"
Fort Delaware	70.23	86.56	72.90	76.56	94	66	28	-	1	5	2	4	7	4	8	S.W.	15	7	8	-	Equal.
Washington city	69.23	85.66	74.66	76.51	95	64	31	2	3	8	-	3	2	11	1	S.W.	14	10	6	-	Cl'dy.
Fortress Monroe	75.86	81.00	77.20	78.02	90	69	21	-	2	2	4	13	2	6	1	S.E.	17	7	6	-	Fair.
Fort Johnston	79.03	83.73	81.10	81.28	86	71	15	7	5	-	-	-	16	1	1	S.	27	2	1	-	"
Augusta Arsl.	76.66	87.43	73.70	79.26	94	70	24	-	8	2	-	2	3	14	1	S.W.	17	2	12	-	"
Canton, Jesup	76.66	85.66	77.13	79.82	90	71	19	-	2	6	8	4	4	6	-	E.	18	2	10	-	"
Canton, Clinch	77.83	82.26	79.80	79.96	90	74	16	2	4	3	-	1	1	18	1	S.W.	11	-	19	-	Rain,
New Orleans	82.40	87.40	79.93	83.24	93	75	18	5	3	2	3	4	5	4	4	S.	21	7	2	-	Fair.
St. Augustine	81.40	84.16	81.26	82.27	92	80	12	-	4	17	-	6	2	1	-	N.E.	20	3	7	-	"
Canton, Brooke	77.80	88.53	71.00	79.11	90	74	16	-	3	-	8	3	8	7	1	E.	10	2	17	1	Rain.

JULY.

No. VII.

PLACES OF OBSERVATION.	THERMOMETER.						WINDS.							WEATHER.			
	Mean Temperature.			Aggregate Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	
	A.M.	P.M.	P.M.														
	VII.	IL.	IX.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	
	Fair.							Cl'dy.			Rain.			Show.			Fair.
	20	21	22					3	4	5	6	7	8	9	10	11	
	23	24	25					12	13	14	15	16	17	18	19	20	
	21	22	23					24	25	26	27	28	29	30	31	32	
Fort Mackinac	63.54	71.87	64.90	66.74	82	54	28	4	6	2	-	1	6	3	9	W.	20
Fort Snelling	72.35	80.71	68.48	73.85	90	57	33	1	2	-	-	1	6	12	9	S.W.	21
Fort Sullivan	59.67	80.80	60.83	66.90	98	52	46	3	2	-	-	-	23	-	3	S.	22
Fort Howard	61.12	84.90	66.19	70.74	100	48	52	-	-	12	1	-	-	18	-	S.W.	25
Fort Wolcott	68.90	77.16	70.93	72.93	85	61	24	2	2	-	-	3	-	18	-	S.W.	19
Council Bluffs	70.25	87.93	72.67	76.95	104	60	44	3	6	-	-	4	15	1	2	S.	19
Fort Columbus	71.96	84.96	70.90	75.94	97	62	35	2	8	-	-	1	-	14	3	S.W.	27
Fort Delaware	75.29	80.64	77.25	77.72	89	70	19	-	4	5	-	6	6	8	2	S.W.	16
Washington city	69.45	87.35	75.64	77.48	95	58	37	4	10	4	-	5	2	6	-	N.W.	17
Fortress Monroe	77.74	82.90	79.32	79.98	91	71	20	-	2	2	4	11	1	10	1	S.E.	23
Fort Johnston	79.58	83.87	81.38	81.61	88	74	14	-	2	2	4	11	1	10	1	S.E.	23
Augusta Arsl.	77.70	87.93	84.29	83.30	94	71	23	-	1	3	4	6	6	11	-	S.W.	11
Canton. Jesup	80.80	89.74	85.80	85.45	97	69	28	1	2	5	3	7	5	5	2	S.E.	24
Canton. Clinch	80.06	87.09	81.48	82.88	93	76	17	1	3	5	1	4	3	12	2	S.W.	17
New Orleans	83.87	89.67	81.87	85.14	96	78	18	6	2	3	8	2	6	-	4	E.	14
St. Augustine	83.06	86.48	82.96	84.16	92	78	14	-	4	17	-	5	1	4	-	N.E.	20
Canton. Brooke	78.45	87.74	78.45	81.55	92	72	20	-	1	2	-	4	6	9	9	S.W.	19

PLACES OF OBSERVATION.	THERMOMETER.					WINDS.										WEATHER.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
	Mean Temperature.				Range.	Highest degree.	Lowest degree.	Prevailing.								Fair.	Cl'dy.	Rain.	Snow.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
	A.M.	P.M.	P.M.	I.N.				N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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SEPTEMBER.

No. IX.

PLACES OF OBSERVATION.	THERMOMETER.					WINDS.										WEATHER.				
	Mean Temperature.			Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.				
	A.M.	P.M.	P.M.																	
									Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.
Fort Mackinac	53.30	58.16	53.06	54.84	70	40	30	4	1	5	-	3	11	1	5	S.	12	5	13	-
Fort Snelling	49.96	63.20	52.80	55.32	78	40	38	1	2	-	1	4	1	10	11	W.	12	4	14	-
Fort Sullivan	55.36	68.93	54.80	59.70	82	44	38	5	1	2	-	-	6	12	4	S.W.	21	7	2	-
Fort Howard	51.20	64.13	56.46	57.26	80	44	36	1	5	-	9	1	3	3	8	E.	14	12	4	-
Fort Wolcott	63.26	69.33	64.86	65.82	77	50	27	1	3	7	-	3	1	15	-	S.W.	9	13	8	-
Council Bluffs	54.23	74.16	59.86	62.75	94	40	54	5	7	2	-	4	10	2	-	S.	16	11	3	-
Fort Columbus	64.63	74.96	66.96	68.85	87	51	36	-	9	3	3	5	1	5	4	N.W.	17	1	12	-
Fort Delaware	74.46	78.50	76.83	76.59	82	70	12	-	2	2	1	5	5	13	2	S.W.	17	5	8	-
Washington city	65.23	80.43	71.36	72.34	92	58	34	1	6	11	-	1	5	4	2	N.E.	17	9	13	-
Fortress Monroe	73.90	78.80	76.83	76.51	90	62	28	4	-	8	4	5	3	5	1	N.E.	15	4	11	-
Fort Johnston	77.26	81.20	79.73	79.39	88	64	24	7	4	2	5	2	7	-	3	-	15	5	10	-
Augusta Arsl.	73.50	81.86	78.73	78.03	90	55	35	1	3	5	4	5	4	3	5	-	9	13	8	-
Canton. Jesup	70.93	81.66	75.63	76.07	94	47	47	3	2	8	9	6	1	1	-	E.	14	5	11	-
Canton. Clinch	74.06	83.26	78.40	78.57	89	54	35	-	6	3	-	3	1	18	-	S.W.	24	-	6	-
New Orleans	77.50	82.96	81.46	80.64	90	64	26	11	-	1	11	-	1	4	2	E.	14	16	-	-
St. Augustine	80.56	84.13	81.23	81.97	89	73	16	1	3	21	-	-	-	5	-	N.E.	23	3	4	-
Canton. Brooke	78.06	88.46	78.20	81.57	92	72	20	-	1	2	8	2	6	-	11	W.	24	6	-	-

No. X.

OCTOBER.

PLACES OF OBSERVATION.	THERMOMETER.						WINDS.						WEATHER.			
	Mean Temperature.			Aggregate	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.
	A.M.	P.M.	P.M.													
	VII.	IX.	IX.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Prevailing.
Fort Mackinac	45.93	53.22	46.74	48.63	69	29	40	2	1	2	3	4	8	6	5	S.
Fort Snelling	41.93	57.87	47.58	49.13	82	26	56	-	1	-	2	1	2	14	11	S.W.
Fort Sullivan	45.09	55.48	45.61	48.71	69	28	41	-	8	4	1	3	5	7	3	N.W.
Fort Howard	43.96	58.58	50.22	50.92	80	26	54	2	5	-	6	3	4	5	6	W.
Fort Wolcott	52.32	60.41	54.67	55.66	70	32	38	2	8	8	-	3	-	9	1	S.W.
Council Bluffs	46.12	72.19	53.93	57.41	96	27	69	12	4	-	1	4	10	-	-	N.
Fort Columbus	52.25	62.41	54.93	56.53	77	35	42	4	8	4	4	4	1	3	3	N.W.
Fort Delaware	57.29	64.06	51.70	57.68	76	47	29	1	7	1	2	10	2	5	3	S.E.
Washington city	50.54	67.77	57.74	58.68	83	31	52	-	14	5	-	1	2	6	3	N.W.
Fortress Monroe	59.58	68.32	61.45	63.11	82	40	42	4	9	3	1	4	1	3	6	N.W.
Fort Johnston	67.93	73.64	71.87	71.14	80	54	26	12	2	3	2	1	10	-	1	N.
Augusta Arsl.	63.09	73.06	68.58	68.24	84	48	36	3	2	1	4	4	6	7	4	S.W.
Canton. Jesup	63.25	75.90	67.09	68.75	88	44	44	1	10	12	1	5	5	2	-	N.E.
Canton. Clinch	66.16	77.83	72.09	72.03	84	48	36	-	11	2	3	8	3	5	-	N.W.
New Orleans	69.70	75.67	73.54	72.97	80	61	19	9	2	3	6	3	2	-	6	N.
St. Augustine	73.38	77.90	75.22	75.50	81	61	20	-	2	15	-	10	1	3	-	N.E.
Canton. Brooke	71.54	83.87	73.41	76.27	88	60	28	-	-	7	11	3	3	6	1	E.

No. XI.

NOVEMBER.

PLACES of OBSERVATION.	THERMOMETER.							WINDS.							WEATHER.						
	Mean Temperature.			Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.
A.M.	P.M.	P.M.	I.X.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	
Fort Mackinac	33.76	38.00	35.03	35.60	62	20	42	2	6	1	5	1	4	6	5	S.W.	5	15	3	7	Cl'dy.
Fort Snelling	29.83	42.10	33.83	35.29	60	17	43	-	5	-	1	1	2	8	13	W.	14	8	3	5	"
Fort Sullivan	34.93	41.96	37.83	38.21	57	16	41	1	9	1	-	3	6	6	4	N.W.	19	6	4	1	Fair
Fort Howard	31.43	41.60	35.83	36.29	54	16	38	3	3	1	3	1	2	5	12	W.	12	17	-	1	Cl'dy.
Fort Wolcott	40.53	46.70	43.26	43.13	60	22	38	4	7	2	-	1	-	14	2	S.W.	13	9	5	3	"
Council Bluffs	33.40	54.60	39.76	42.59	76	20	56	15	6	-	-	2	6	-	1	N.	19	11	-	-	Fair.
Fort Columbus	39.80	48.53	42.66	43.66	62	26	36	1	14	3	-	3	5	-	3	N.W.	16	6	7	1	"
Fort Delaware	44.10	51.56	56.26	50.64	65	33	32	-	11	1	-	4	-	8	6	N.W.	19	1	10	-	Cl'dy.
Washington city	38.93	53.43	45.16	45.84	68	31	37	-	9	3	-	1	2	15	-	S.W.	14	10	6	-	"
Fortress Monroe	46.10	53.90	50.70	50.23	66	32	34	2	8	1	2	8	3	2	4	S.E.	17	9	4	-	Cl'dy.
Fort Johnston	56.86	63.90	62.20	60.98	76	40	36	8	-	4	2	-	11	1	4	S.	28	-	2	-	Fair.
Augusta Arsl.	51.50	60.46	56.80	56.25	77	36	41	-	5	1	2	3	12	7	-	S.W.	17	10	3	-	"
Canton, Jesup	53.06	68.86	58.93	60.28	82	30	52	2	8	4	1	4	6	4	1	N.W.	28	1	1	-	"
Canton, Clinch	55.23	69.13	63.83	62.73	80	34	46	-	15	1	-	4	-	10	-	N.W.	27	1	2	-	"
New Orleans	61.30	70.16	65.20	65.55	83	48	35	12	4	5	3	3	2	-	1	N.	17	13	3	-	"
St. Augustine	60.03	63.86	61.46	61.78	81	33	48	6	12	2	-	9	-	1	-	N.W.	25	3	2	-	"
Canton, Brooke	61.20	74.53	64.53	66.75	86	38	48	-	3	3	3	2	3	14	3	S.W.	29	-	1	-	"

PLACES OF OBSERVATION.	THERMOMETER.					WINDS.										WEATHER.																																																																																																																																																																																																																																																																																																																																																																									
	Mean Temperature.			IX.	Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.		Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy.<

PLACES OF OBSERVATION.	THERMOMETER.					WINDS.										WEATHER.					
	Mean Temperature.			Aggregate Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cldy.	Rain.	Snow.	Prevailing.
	A.M.	P.M.	P.M.																		
Fort Brady	12.58	23.51	16.41	17.36	40	-20	60	3	3	9	5	4	-	2	5	N.E.	6	17	-	8	Cldy. Fair.
Fort Snelling	11.09	24.19	16.51	17.26	44	-22	66	4	6	-	-	2	2	13	7	S.W.	17	9	1	4	"
Fort Howard	10.32	23.54	14.77	16.21	40	-14	54	1	3	3	-	-	7	6	11	W.	17	13	-	1	"
Fort Preble	14.58	25.19	19.19	19.65	40	-8	48	4	5	5	-	-	-	11	6	S.W.	22	3	-	6	"
Fort Constitution	17.22	26.54	20.16	21.31	40	-8	48	8	9	1	-	-	2	3	8	S.W.	15	12	-	4	Cldy.
Fort Wolcott	22.41	28.64	24.09	25.05	41	-2	43	4	11	8	-	-	-	7	1	N.W.	14	9	1	7	"
Fort Armstrong	16.67	27.06	21.51	21.75	46	-6	52	3	10	2	2	3	4	-	7	N.W.	24	5	1	1	"
West Point	19.38	28.93	21.61	23.31	49	-10	59	7	10	3	1	5	1	1	3	N.W.	18	4	1	8	"
Fort Trumbull	24.32	29.00	28.12	27.15	62	0	62	1	10	7	1	1	1	4	7	N.W.	19	5	2	5	"
Fort Columbus	21.22	28.45	22.38	24.02	43	0	43	4	12	2	4	1	3	1	4	N.W.	15	8	4	4	Cldy.
Washington city	24.51	36.32	29.77	30.20	54	9	45	4	10	5	-	2	1	6	3	N.W.	20	8	3	-	Fair.
Jefferson Barracks	25.06	40.41	30.80	32.09	53	8	45	1	8	-	1	4	10	1	6	S.	20	8	1	2	"
Fortress Monroe	31.32	40.51	37.90	36.58	58	13	45	5	2	6	4	4	1	4	5	N.E.	24	4	3	-	Cldy.
Augusta Arsl.	40.96	47.51	45.25	44.57	71	26	45	8	5	5	-	1	5	4	3	N.	13	12	6	-	Fair.
Canton, Jesup	45.38	57.48	50.29	51.05	78	24	54	1	9	4	3	7	2	5	-	N.W.	18	7	6	-	Cldy.
Canton, Clinch	47.38	55.32	51.38	51.36	72	24	48	10	2	7	-	3	7	2	3	N.	14	13	4	-	"
Petite Coquille	45.74	57.22	49.48	50.81	80	23	57	-	3	10	6	5	1	3	3	N.E.	15	11	5	-	"
Canton, Brooke	51.67	63.09	55.83	56.86	78	26	52	1	7	5	-	1	8	3	6	S.	25	3	3	-	Fair.

No. II.

FEBRUARY.

PLACES OF OBSERVATION.	THERMOMETER.						WINDS.						WEATHER.			
	Mean Temperature.			Aggregate Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.
	A.M.	P.M.	P.M.													
	VII.	II.	IX.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Prevailing.
Fort Brady	16.21	30.85	21.14	22.73	47	-16	63	-	6	7	1	4	-	6	4	N.E.
Fort Snelling	18.42	23.46	23.71	24.86	46	-8	54	-	1	-	-	1	3	7	16	W.
Fort Howard	19.21	34.00	22.10	25.10	44	-6	50	4	2	-	-	1	1	11	10	S.W.
Fort Preble	18.75	31.10	23.82	24.56	45	-7	52	4	5	-	-	2	4	2	11	W.
Fort Constitution	21.21	33.07	26.35	26.88	47	-4	51	1	8	-	2	1	4	4	8	N.W.
Fort Wolcott	28.00	34.57	30.28	31.28	48	-1	49	1	13	5	-	1	-	8	-	N.W.
Fort Armstrong	25.78	38.07	31.25	31.37	57	2	55	9	9	1	2	-	4	1	2	N.W.
West Point	26.00	38.60	31.00	31.87	54	2	52	4	6	2	-	3	2	6	5	N.W.
Fort Trumbull	31.07	36.85	36.28	34.73	48	5	43	1	7	6	3	1	2	3	5	N.W.
Fort Columbus	28.57	35.39	31.89	31.95	48	7	41	2	10	5	1	2	2	5	1	N.W.
Washington city	37.55	49.57	40.78	42.63	69	34	35	1	5	8	-	3	3	5	3	N.E.
Jefferson Barracks	37.03	53.46	43.17	44.55	72	24	48	4	5	1	-	10	8	-	-	S.E.
Fortress Monroe	41.60	49.35	46.57	45.84	59	22	37	1	1	10	2	1	3	9	1	N.E.
Augusta Arsl.	58.17	64.07	61.53	61.26	80	47	33	1	2	3	-	2	-	12	8	S.W.
Canton. Jesup.	57.89	69.21	61.46	62.85	84	44	40	4	5	8	2	9	-	-	-	S.E.
Canton. Clinch	60.96	67.85	63.50	64.10	77	44	33	6	2	-	6	5	9	-	-	S.W.
Petite Coquille	60.10	72.53	62.60	65.08	86	42	44	-	1	3	6	3	9	3	3	S.
Canton. Brooke	61.07	78.32	66.64	69.68	82	50	32	-	-	-	-	6	2	8	12	W.

MARCH.

No. III.

PLACES OF OBSERVATION.	THERMOMETER.							WINDS.							WEATHER.						
	Mean Temperature.			Aggregate Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.			
	A.M.	P.M.	P.M.																		
	VII.	II.	IX.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.
	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.	Fair.															
Fort Brady	18.25	34.61	24.70	25.85	51	-5	56	1	9	6	-	7	2	2	4	N.W.	8	15	4	4	Cl'dy.
Fort Snelling	25.85	39.74	29.61	31.74	56	-7	63	1	3	1	-	1	5	8	12	W.	18	6	2	5	Fair.
Fort Howard	23.74	40.96	28.29	31.00	56	-16	72	-	3	-	7	-	1	8	12	W.	21	6	3	1	"
Fort Preble	28.77	40.74	32.25	33.92	63	2	61	-	7	3	1	1	10	4	5	S.	21	7	3	-	"
Fort Constitution	31.29	41.83	33.45	35.52	66	11	55	2	8	2	1	2	8	2	6	N.W.	21	9	1	-	"
Fort Wolcott	34.03	42.61	38.25	38.30	56	24	32	1	15	2	-	5	-	8	-	N.W.	17	6	6	2	"
Fort Armstrong	35.16	45.38	40.74	40.43	74	16	58	3	8	3	1	2	8	4	2	N.W.	20	8	3	-	"
West Point	34.87	48.48	38.38	40.58	74	15	59	8	12	1	-	5	1	4	2	N.W.	21	6	4	-	"
Fort Trumbull	39.19	44.58	43.29	42.35	60	26	34	4	7	3	1	3	4	4	5	N.W.	21	4	6	-	"
Fort Columbus	34.61	46.03	37.38	39.34	64	18	46	5	10	2	3	4	3	1	3	N.W.	19	7	4	1	"
Washington city	40.09	55.80	46.35	47.41	73	33	40	1	15	3	-	3	6	3	-	N.W.	15	11	5	-	Cl'dy.
Jefferson Barracks	43.54	59.74	49.67	50.98	81	29	52	8	3	-	5	6	1	3	5	N.	22	2	5	2	Fair.
Fortress Monroe	46.58	55.09	55.58	51.08	66	35	31	2	2	3	3	2	3	6	5	N.E.	15	10	6	-	Cl'dy.
Augusta Arsl.	53.29	66.12	58.48	59.30	79	42	37	1	2	4	5	3	4	4	8	S.W.	18	5	8	-	Fair.
Canton. Jesup	54.61	67.67	58.70	60.33	82	34	48	-	7	3	2	9	5	3	2	S.E.	15	7	9	-	Cl'dy.
Canton. Clinch	58.51	67.61	63.58	63.23	79	43	36	3	5	-	-	4	12	5	2	S.	24	2	5	-	Fair.
Petite Coquille	57.25	70.38	60.35	62.66	87	42	45	1	6	5	-	5	4	1	4	N.W.	20	7	4	-	"
Canton. Brooke	65.35	78.64	67.41	70.47	84	52	32	-	3	-	1	6	4	2	15	W.	26	2	3	-	"

No. IV.

APRIL.

PLACES OF OBSERVATION.	THERMOMETER.					WINDS.										WEATHER.				
	Mean Temperature.			Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.
	A.M.	P.M.	P.M.																	
	VII.	II.	IX.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.
	Cl'dy.	" Fair	" Cl'dy.	Rain.	" Fair.	" Cl'dy.	" Fair.	" Cl'dy.	" Fair.	" Cl'dy.	" Fair.	" Cl'dy.	" Fair.	" Cl'dy.	" Fair.	" Cl'dy.	" Fair.	" Cl'dy.	" Fair.	" Cl'dy.
Fort Brady	31.80	47.93	35.46	39.39	63	23	40	-	6	1	2	8	-	7	6	S.E.	2	15	10	3
Fort Snelling	41.86	51.43	41.00	44.76	65	28	37	-	2	2	2	3	2	4	17	W.	13	5	10	2
Fort Howard	36.93	52.73	39.93	43.20	68	26	42	1	2	6	2	-	-	3	18	W.	16	13	1	-
Fort Preble	42.26	51.40	43.56	46.74	77	29	48	6	4	1	2	6	4	3	4	S.E.	18	4	8	-
Fort Constitution	44.33	53.30	45.26	47.63	76	33	43	2	8	8	1	1	4	3	3	N.W.	14	12	4	-
Fort Wolcott	44.56	52.90	47.80	48.42	60	30	30	1	7	8	1	2	-	11	-	S.W.	10	9	11	-
Fort Armstrong	46.76	57.46	49.33	51.18	70	28	42	4	3	2	4	1	5	4	7	W.	21	5	4	-
West Point	47.73	62.96	53.30	54.66	78	32	46	2	10	1	3	7	4	6	-	N.W.	17	6	7	-
Fort Trumbull	49.53	55.13	54.80	53.15	65	40	25	1	2	3	-	7	3	5	6	S.E.	14	5	11	-
Fort Columbus	47.20	59.86	49.13	52.06	76	36	40	3	7	-	-	8	4	5	3	S.E.	19	3	8	-
Washington city	51.56	70.26	58.10	59.97	83	38	45	-	11	2	-	4	3	6	1	N.W.	13	11	6	-
Jefferson Barracks	54.00	69.66	60.00	61.22	85	40	45	-	4	-	1	5	9	5	6	S.	17	2	11	-
Fortress Monroe	56.86	67.36	61.33	61.85	80	44	36	-	4	2	3	9	4	6	2	S.E.	10	10	10	-
Augusta Arsl.	62.33	73.53	67.93	67.93	85	52	33	-	2	-	3	7	7	5	6	S.	12	9	9	-
Canton, Jesup	64.23	76.50	67.90	69.54	88	48	40	5	2	4	5	6	4	3	1	S.E.	16	8	6	-
Canton, Clinch	69.53	75.63	71.23	72.13	85	54	31	-	6	-	-	8	3	13	-	S.W.	23	3	4	-
Petite Coquille	67.20	81.06	68.20	72.15	94	54	40	1	2	2	6	3	12	2	2	E.	20	10	-	-
Canton, Brooke	70.33	83.67	72.13	75.38	88	62	26	-	1	2	-	5	1	10	11	W.	29	-	1	-

MAY.

No. V.

PLACES OF OBSERVATION.	THERMOMETER.							WINDS.							WEATHER.				
	Mean Temperature.			Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	
	A.M.	P.M.	P.M.																
	VII.	II.	IX.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.
Fort Brady	47.54	58.54	43.67	49.92	82	32	50	-	7	1	6	3	4	3	3	N.W.	8	20	1
Fort Snelling	59.77	70.16	58.87	62.93	86	40	46	2	3	2	4	8	3	9	9	W.	22	2	-
Fort Howard	47.54	67.77	51.51	55.61	87	32	55	1	1	-	1	2	5	6	6	N.E.	26	5	-
Fort Preble	50.42	62.16	50.19	54.26	68	34	34	3	-	4	1	10	7	3	3	S.E.	22	5	-
Fort Constitution	50.83	59.29	50.70	53.61	87	38	49	3	2	3	2	14	2	3	3	S.	21	6	-
Fort Wolcott	51.80	61.35	53.61	55.59	75	38	37	1	9	3	1	6	-	11	-	S.W.	17	4	-
Fort Armstrong	59.16	71.58	60.74	63.83	90	46	44	1	4	7	-	12	2	5	5	S.	26	2	-
West Point	56.06	71.45	58.32	61.91	86	38	48	3	8	3	-	10	4	2	1	S.E.	22	4	-
Fort Trumbull	55.19	61.51	60.29	59.00	75	42	33	2	4	3	1	7	4	8	2	S.W.	19	6	-
Fort Columbus	55.61	66.45	56.55	59.54	84	41	43	1	4	3	2	10	5	3	3	S.E.	20	5	-
Washington city	62.38	72.09	64.19	66.22	84	50	34	-	8	9	-	6	3	4	1	N.E.	21	6	-
Jefferson Barracks	60.64	73.35	62.58	65.52	84	42	42	4	4	3	1	-	5	2	12	W.	21	2	-
Fortress Monroe	58.48	68.29	63.64	63.47	78	48	30	-	3	8	5	10	2	2	1	E.	15	8	-
Augusta Arsl.	65.00	78.93	68.83	70.92	86	48	38	-	-	-	5	2	2	13	7	S.W.	12	10	-
Canton. Jesup	66.45	79.50	70.71	72.22	93	46	47	4	5	6	4	7	1	1	3	S.E.	17	3	-
Canton. Clinch	67.96	77.09	72.80	72.62	86	52	34	1	5	-	1	2	6	14	2	S.W.	16	6	-
Petite Coquelle	68.70	80.09	70.77	73.19	90	54	36	1	2	9	6	3	4	4	2	N.E.	20	10	-
Canton. Brooke	73.54	85.61	74.95	78.04	90	62	28	-	1	-	-	7	-	8	15	W.	24	2	-

JUNE.

No. VI.

PLACES OF OBSERVATION.	THERMOMETER.						WINDS.								WEATHER.				
	Mean Temperature.			Mean Aggregate Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	
	A.M.	P.M.	P.M.																
																			VII.
Fort Brady	56.80	70.30	51.93	59.68	84	35	49	-	7	10	1	9	-	2	1	N.E.	12	6	-
Fort Snelling	70.56	77.83	67.46	71.95	92	50	42	1	-	-	1	3	13	5	7	S.	14	11	-
Fort Howard	60.76	80.80	62.90	68.15	96	40	56	-	1	7	2	4	-	4	12	W.	25	-	-
Fort Preble	59.50	70.86	58.36	62.91	81	48	33	1	1	6	1	6	8	5	2	S.	20	6	4
Fort Constitution	60.03	66.43	58.80	61.75	79	51	28	-	1	2	1	1	18	3	4	S.	19	7	4
Fort Wolcott	60.33	69.52	63.23	64.52	77	47	30	1	8	2	1	2	2	14	-	S.W.	18	4	-
Fort Armstrong	71.40	77.26	68.26	72.31	94	50	44	4	2	1	3	2	16	1	1	S.	22	4	8
West Point	63.70	78.90	65.20	69.27	88	50	38	5	3	1	-	5	7	6	3	S.	16	10	4
Fort Trumbull	63.56	70.30	67.90	67.25	76	54	22	2	4	3	-	3	6	9	3	S.W.	20	4	-
Fort Columbus	64.00	76.46	65.33	68.60	89	50	39	-	7	2	-	8	7	2	4	S.E.	16	4	6
Washington city	71.16	80.46	71.43	74.35	92	58	34	5	6	7	2	2	-	8	-	S.W.	16	10	-
Jefferson Barracks	70.10	81.63	69.13	73.62	91	57	34	4	1	-	1	-	9	8	7	S.	16	8	-
Fortress Monroe	64.90	76.23	73.03	71.39	86	56	30	-	1	7	6	8	1	7	-	S.E.	25	5	-
Augusta Arsl.	70.86	85.33	74.76	76.98	96	64	32	1	1	5	4	5	4	4	6	W.	18	3	9
Canton, Jesup	75.40	87.93	81.03	81.45	95	63	32	-	3	9	1	13	3	-	1	S.E.	20	5	7
Canton, Clinch	76.00	85.76	82.40	81.39	90	68	22	-	1	-	-	2	7	18	2	S.W.	21	4	5
Petite Coquille	79.20	88.06	83.56	83.61	93	68	25	-	3	3	7	6	3	6	2	E.	26	4	-
Canton, Brooke	77.20	87.53	79.33	81.35	92	74	18	-	-	1	10	-	4	-	15	W.	21	7	2

PLACES OF OBSERVATION.	THERMOMETER.					WINDS.								WEATHER.																	
	Mean Temperature.			Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.		Fair.	Cl'dy.												
	A.M.	P.M.	P.M.													IX.	Days.			Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.
																				Fair.	Cl'dy.	Fair.	Cl'dy.								
																	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.					
Fort Brady	62.03	70.41	58.36	63.60	84	50	34	-	16	6	2	4	-	3	-	N.W.	5	18	8	-	Cl'dy.										
Fort Snelling	71.80	80.64	69.74	74.06	96	60	36	1	4	2	-	3	10	3	8	S.	19	9	3	-	Fair.										
Fort Howard	64.93	85.00	66.49	72.14	98	58	40	1	3	8	1	-	3	3	10	W.	27	3	1	-	"										
Fort Preble	66.61	79.03	64.54	70.06	89	56	33	2	2	1	1	6	6	11	2	S.W.	19	11	1	-	"										
Fort Constitution	66.12	72.83	63.96	67.64	83	57	26	-	7	3	2	2	12	2	3	S.	19	11	1	-	"										
Fort Wolcott	66.87	76.38	70.22	71.16	83	58	25	-	7	5	-	3	2	14	-	S.W.	18	6	7	-	"										
Fort Armstrong	76.87	84.61	73.67	78.38	94	65	29	4	1	-	2	1	9	5	4	S.	21	10	-	-	"										
West Point	70.32	80.58	68.03	72.98	101	64	37	1	5	-	-	4	8	9	4	S.W.	21	8	2	-	"										
Fort Trumbull	69.16	76.67	73.64	73.16	86	62	24	1	1	1	1	3	4	17	3	S.W.	22	4	5	-	"										
Fort Columbus	71.80	83.25	71.83	75.63	96	63	33	1	6	4	-	7	2	7	4	S.W.	18	6	7	-	"										
Washington city	78.41	82.38	79.00	79.93	98	70	28	-	6	10	-	4	3	8	-	N.E.	19	6	6	-	"										
Jefferson Barracks	77.48	85.22	77.74	80.15	94	52	42	1	3	-	-	1	3	13	10	N.E.	22	7	2	-	"										
Fortress Monroe	74.58	84.38	78.58	79.18	94	70	24	-	9	-	4	8	3	7	-	N.E.	21	5	5	-	"										
Augusta Arsl.	77.16	91.77	79.70	82.88	102	72	30	1	-	9	4	3	11	4	6	S.E.	16	5	10	-	"										
Canton. Jesup	78.74	89.58	82.54	83.62	95	72	23	2	4	6	5	8	3	1	2	S.E.	13	5	13	-	"										
Canton. Clinch	83.48	86.48	83.90	84.62	92	75	17	3	3	1	-	4	3	20	1	S.W.	14	2	15	-	"										
Petite Coquille	81.51	88.25	83.74	84.50	93	77	16	2	5	2	6	4	3	7	2	S.W.	23	6	2	-	"										
Canton. Brooke	80.38	89.03	79.61	82.85	94	70	24	-	-	4	2	9	15	1	-	S.	20	7	4	-	"										

AUGUST.

No. VIII.

PLACES OF OBSERVATION.	THERMOMETER.						WINDS.								WEATHER.						
	Mean Temperature.			Mean Aggregate Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.					
	A.M.	P.M.	P.M.																		
	VII.	II.	IX.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Fair.	Rain.	Snow.
Fort Brady	60.38	70.12	60.22	63.57	82	42	40	-	11	6	4	8	1	1	-	N.W.	4	20	7	-	Cl'dy.
Fort Snelling	64.67	78.19	68.19	70.35	92	50	42	-	3	7	4	5	9	2	1	S.	15	14	2	-	"
Fort Howard	63.41	82.06	65.04	70.17	88	50	38	1	2	10	1	2	-	6	9	N.E.	21	10	-	-	"
Fort Preble	61.80	76.09	62.32	66.74	95	52	43	-	5	1	3	1	10	11	3	S.W.	24	4	3	-	"
Ft Constitution	62.67	70.45	62.35	65.16	92	52	40	-	3	5	1	-	17	3	2	S.W.	23	5	3	-	"
Fort Wolcott	66.06	73.74	69.03	69.61	86	58	28	2	6	4	-	3	-	16	-	S.W.	18	3	10	-	"
Fort Armstrong	73.80	83.29	72.90	76.66	92	60	32	5	-	3	6	3	7	6	1	S.	26	5	-	-	"
West Point	67.32	80.90	69.48	72.57	101	56	45	1	7	1	-	5	5	7	5	S.W.	15	13	3	-	"
Fort Trumbull	68.03	73.80	72.29	71.39	88	60	28	1	2	4	2	5	3	12	2	S.W.	16	9	6	-	"
Fort Columbus	71.45	79.06	72.51	74.34	95	62	33	5	3	2	-	11	3	2	5	S.E.	20	3	8	-	"
Washington city	76.32	82.06	76.87	78.42	94	70	24	-	-	9	-	11	-	11	-	S.E.	17	8	6	-	"
Jefferson Bar'ks	78.19	85.83	81.00	81.67	92	72	20	-	1	1	9	7	2	10	1	S.W.	23	1	7	-	"
Fortress Monroe	74.54	85.64	80.45	80.21	94	66	28	-	2	9	2	4	4	9	1	S.W.	21	6	4	-	"
Augusta Arsl.	74.71	89.12	80.48	81.44	99	67	32	1	1	7	4	7	4	6	-	S.E.	18	3	10	-	"
Canton, Jesup	77.51	89.38	82.00	82.96	94	74	20	-	5	4	6	5	4	2	2	N.E.	19	2	10	-	"
Canton, Clinch	77.64	86.19	82.61	82.15	92	70	22	3	1	3	1	6	5	11	1	S.W.	22	2	7	-	"
Petite Coquelle	78.12	87.22	81.90	82.41	95	71	24	3	3	5	6	6	3	3	2	S.E.	24	5	2	-	"
Canton, Brooke	80.06	88.00	80.12	82.73	94	72	22	2	1	2	-	16	4	2	4	S.E.	15	11	5	-	Cl'dy.

No. IX.

SEPTEMBER.

[illegible]

OCTOBER.

No. X.

PLACES OF OBSERVATION.	THERMOMETER.					WINDS.								WEATHER.							
	Mean Temperature.			Mean Aggregate Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.
	A.M.	P.M.	P.M.																		
	VII.	II.	IX.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.
Fort Brady	40.74	51.42	43.19	45.12	68	23	45	1	11	4	-	8	2	4	1	N.W.	6	18	4	3	Cl'dy. Fair.
Fort Snelling	42.00	58.19	47.58	49.26	82	26	56	-	1	-	3	1	2	14	11	S.W.	24	3	4	-	"
Fort Howard	39.64	56.71	44.51	46.95	80	20	60	7	4	-	3	1	2	-	3	S.	23	7	1	-	"
Fort Preble	45.80	56.74	49.06	50.53	71	31	40	-	7	-	3	5	3	9	4	S.W.	19	8	4	-	"
Ft Constitution	47.29	56.62	50.29	51.40	70	32	38	1	7	6	-	1	3	5	3	S.	19	9	3	-	"
Fort Wolcott	52.87	60.29	55.03	56.06	70	34	36	7	5	3	-	1	2	9	4	S.W.	12	10	9	-	Cl'dy. Fair.
Fort Armstrong	46.12	60.51	50.16	52.26	78	20	58	4	4	4	2	2	6	5	3	N.	27	4	-	-	"
West Point	50.35	60.45	52.54	54.45	74	34	40	4	11	4	2	2	5	1	3	N.W.	17	10	4	-	"
Fort Trumbull	55.03	60.61	58.93	58.16	68	40	28	2	3	7	-	2	6	2	3	S.W.	15	6	10	-	Cl'dy. Fair.
Fort Columbus	52.00	60.09	55.61	55.90	71	34	37	8	5	8	-	2	5	2	1	N.	16	15	-	-	"
Washington city	53.67	63.54	58.03	58.41	77	36	41	5	9	1	1	2	4	5	3	N.W.	11	19	11	-	Cl'dy. Fair.
Jefferson Bar's	54.87	63.38	58.70	58.98	80	36	44	5	7	-	3	5	4	3	8	W.	14	12	5	-	"
Fortress Monroe	58.16	66.74	63.48	62.79	77	39	38	7	5	6	-	3	3	5	-	N.	16	8	7	-	Cl'dy. Fair.
Augusta Arsl.	60.09	73.70	66.19	66.66	92	40	53	5	8	3	3	3	3	6	3	S.W.	23	3	5	-	"
Canton. Jesup	60.09	74.35	67.06	67.17	90	40	50	-	5	7	2	8	5	3	1	N.W.	25	4	2	-	"
Canton. Clinch	63.25	73.77	69.96	68.99	85	47	38	-	8	3	2	5	2	3	3	N.	24	1	6	-	"
Petite Coquelle	62.83	75.22	69.51	69.19	88	46	42	1	5	3	1	9	2	4	2	E.	27	3	1	-	"
Canton. Brooke	69.87	83.35	71.16	74.79	88	54	34	-	1	-	-	5	3	4	19	W.	25	6	1	-	"

NOVEMBER.

No. XI.

PLACES OF OBSERVATION.	THERMOMETER.				WINDS.										WEATHER.						
	Mean Temperature.			Range.	Highest degree.	Lowest degree.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.	
	A.M.	P.M.	P.M.																		
																					IX.
	VII.	II.		Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.						
Fort Brady	28.13	34.80	30.53	31.15	51	16	35	3	14	-	10	1	-	1	1	N.W.	10	14	2	4	Cl'dy.
Fort Snelling	26.16	39.66	30.16	31.99	59	-3	62	2	4	2	2	2	2	1	15	W.	15	14	-	1	Fair.
Fort Howard	29.53	40.93	32.10	34.19	64	8	56	6	3	2	1	-	10	2	6	S.	15	15	-	-	Equal.
Fort Preble	28.70	38.36	30.56	32.54	52	13	39	6	7	5	-	-	-	4	7	N.W.	18	15	2	1	Fair.
F't Constitution	31.66	36.50	33.46	33.87	57	20	37	4	17	1	1	-	-	3	2	N.W.	14	14	1	1	Cl'dy.
Fort Wolcott	34.80	41.33	36.96	37.70	57	21	36	2	16	2	-	3	1	2	4	N.W.	11	9	1	4	"
Fort Armstrong	34.10	44.30	37.53	38.64	70	12	58	4	10	-	4	1	1	10	-	S.W.	20	10	5	-	Fair.
West Point	34.40	42.63	36.66	37.90	64	20	44	7	12	2	-	2	2	5	1	N.W.	18	9	1	-	"
Fort Trumbull	39.43	43.66	42.46	41.85	59	32	27	3	9	3	-	2	2	4	7	N.W.	18	4	6	-	"
Fort Columbus	36.90	43.43	38.66	39.66	61	21	40	2	13	5	-	2	1	3	4	N.W.	17	13	-	-	"
Washington city	39.13	49.33	46.16	44.87	67	25	42	-	22	-	1	1	4	5	-	N.W.	10	12	7	1	Cl'dy.
Jefferson Barracks	47.33	53.50	50.36	50.40	74	30	44	3	9	-	3	4	6	3	2	N.W.	10	15	2	3	"
Fortress Monroe	45.16	53.80	50.16	49.71	71	30	41	5	6	1	4	4	-	7	3	S.W.	17	12	1	-	Fair.
Angusta Arsl.	54.03	61.20	57.66	57.63	74	30	44	5	6	2	-	5	-	9	-	S.W.	21	4	5	-	"
Canton, Jesup	55.50	66.30	59.06	60.29	82	36	46	-	2	8	3	10	3	4	-	S.E.	20	5	5	-	"
Canton, Clinch	57.30	66.36	63.46	62.37	77	35	42	6	4	3	2	8	4	3	-	S.E.	20	6	4	-	"
Petite Coquille	57.06	68.30	62.23	62.53	83	39	44	-	10	1	12	1	-	5	1	E.	22	5	3	-	"
Canton, Brooke	64.06	77.26	66.93	69.42	86	46	40	-	5	-	-	7	-	-	18	W.	26	1	3	-	"

DECEMBER.

No. XII.

PLACES OF OBSERVATION.	THERMOMETER.					WINDS.								WEATHER.								
	Mean Temperature.			Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	WEATHER.					
	Mean Temperature.																Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.
	A.M.	P.M.	P.M.																			
VII.	II.	IX.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.				
Fort Brady	16.33	23.54	20.61	20.33	38	-5	43	1	7	1	11	7	-	1	3	10	8	13	Cl'dy.			
Fort Snelling	7.38	19.74	11.90	13.01	33	-14	47	2	4	3	3	1	6	2	4	13	14	4	Fair.			
Fort Howard	18.06	25.58	17.64	20.42	48	-7	55	7	4	-	2	2	9	4	3	22	6	2	Cl'dy.			
Fort Preble	23.67	31.61	27.93	27.74	46	0	46	3	14	6	2	3	1	2	1	16	11	4	Cl'dy.			
Fort Constitution	26.58	32.90	28.77	29.42	53	-3	56	2	9	5	1	1	2	1	10	12	13	2	Cl'dy.			
Fort Wolcott	33.19	37.87	35.00	36.35	58	12	46	6	13	6	2	1	-	4	1	19	9	4	Cl'dy.			
Fort Armstrong	24.38	31.54	27.29	27.74	56	10	46	2	10	2	2	2	4	4	1	13	12	-	Fair.			
West Point	35.03	37.12	32.70	34.95	58	10	48	7	7	4	2	6	4	1	1	13	7	8	Cl'dy.			
Fort Trumbull	40.35	43.67	42.70	42.24	54	23	31	5	5	10	3	3	2	5	5	15	15	3	Cl'dy.			
Fort Columbus	31.16	35.25	33.22	33.21	48	17	31	2	10	5	-	3	6	1	9	1	1	1	Cl'dy.			
Washington city	37.28	46.74	40.74	41.59	65	21	44	-	5	5	-	6	1	2	2	6	14	10	Cl'dy.			
Jefferson Barracks	35.77	43.67	37.83	39.09	64	22	42	4	10	5	1	1	15	2	2	11	11	6	Cl'dy.			
Fortress Monroe	46.32	55.25	51.00	50.86	65	34	31	2	3	2	1	4	8	8	3	14	15	2	Cl'dy.			
Augusta Arsl.	51.09	64.35	56.03	57.16	79	31	48	2	4	2	-	5	9	1	3	16	13	2	Cl'dy.			
Canton, Jesup	53.93	60.51	58.51	57.65	78	32	46	-	6	7	5	9	1	3	-	13	10	8	Fair.			
Canton, Clinch	57.45	65.80	62.93	62.06	78	34	44	1	6	3	2	17	5	1	-	21	6	4	Cl'dy.			
Petite Coquille	59.03	69.41	59.77	62.74	82	41	41	-	2	3	10	10	1	1	-	24	7	-	Fair.			
Canton, Brooke	63.48	74.93	64.45	67.62	80	44	36	-	1	-	-	2	1	2	25	29	-	-	Cl'dy.			

MEAN OF THE OBSERVATIONS FOR 1827.

No. XIII.

PLACES OF OBSERVATION.	THERMOMETER.			WINDS.										WEATHER.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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No. I.

JANUARY.

PLACES OF OBSERVATION.	THERMOMETER.						WINDS.							WEATHER.			
	Mean Temperature.			Mean Aggregate Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	
	A.M.	P.M.	P.M.														
	VII.	II.	IX.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.
Fort Brady	12.70	25.12	17.48	18.43	44	-20	64	1	6	-	5	9	1	3	6	S.E.	Cl'dy.
Fort Snelling	3.58	19.35	8.32	10.42	38	-22	60	5	8	-	-	-	6	5	20	N.W.	Fair.
Fort Howard	16.32	23.19	17.41	18.97	39	-20	59	4	5	2	1	-	12	5	6	S.	Fair.
Fort Preble	23.29	30.45	27.32	27.02	50	2	48	2	5	4	3	9	-	6	13	S.E.	Fair.
Fort Constitution	25.51	34.54	28.35	29.37	51	1	50	3	7	4	2	-	3	2	16	W.	Cl'dy.
Fort Wolcott	32.35	37.19	34.29	33.95	48	6	42	4	11	5	2	3	1	3	14	N.W.	"
Fort Armstrong	19.67	28.67	24.51	24.28	44	-6	50	5	5	2	5	3	5	2	10	N.	Cl'dy.
West Point	30.19	38.19	31.87	33.42	56	6	50	4	8	3	-	12	3	1	10	N.W.	Fair.
Fort Trumbull	39.41	43.71	42.25	41.86	52	20	32	2	4	5	-	9	2	5	16	S.E.	"
Fort Columbus	30.80	36.93	34.03	33.59	54	9	43	5	7	5	3	-	2	4	10	S.E.	Cl'dy.
Washington city	37.74	44.84	40.80	41.13	66	16	50	-	8	7	-	6	4	5	12	N.E.	"
Jefferson Barracks	31.19	42.16	38.77	37.17	72	10	62	2	6	1	1	1	10	3	8	N.W.	"
Fortress Monroe	45.38	53.80	49.96	49.71	67	32	35	2	6	10	-	-	-	9	11	S.	"
Fort Gibson	38.83	49.74	44.32	44.26	70	19	51	7	1	4	2	13	2	9	12	N.E.	"
Augusta Arsl.	48.96	60.25	54.03	54.41	75	34	41	3	3	3	3	7	4	6	13	S.E.	"
Canton, Jesup	51.96	59.48	55.48	55.64	78	32	46	-	5	10	1	6	3	6	18	N.E.	Fair.
Canton, Clinch	59.16	65.00	62.74	62.30	76	37	39	7	1	2	-	13	7	-	9	S.E.	Cl'dy.
Petite Coquette	57.00	63.00	60.00	60.00	80	36	44	1	9	4	12	1	1	1	13	S.E.	"
St. Augustine	66.09	71.19	66.03	67.77	83	49	34	8	-	3	-	9	2	1	18	S.E.	Fair.
Canton, Brooke	64.77	76.12	68.41	69.77	84	50	34	11	-	-	-	2	2	5	30	W.	"

PLACES OF OBSERVATION.	THERMOMETER.					WINDS.							WEATHER.			
	Mean Temperature.			Mean Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.
	A.M.	P.M.	P.M.													
	VII.	II.	IX.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.
Fort Brady	12.00	28.48	20.51	20.33	46	-17	63	2	8	2	8	4	-	1	4	E.
Fort Snelling	8.45	26.96	14.00	16.80	50	-22	72	2	8	-	1	1	6	5	6	N.W.
Fort Howard	19.06	29.86	21.51	23.48	49	-12	51	9	3	-	-	-	13	-	4	S.
Fort Preble	30.58	37.58	33.13	33.76	50	10	40	3	8	1	-	3	6	6	2	N.W.
Fort Constitution	31.10	41.06	34.24	35.47	59	13	46	-	7	2	1	1	5	9	4	S.W.
Fort Wolcott	36.03	42.00	38.00	38.68	52	19	33	3	7	3	-	4	2	8	2	S.W.
Fort Armstrong	26.44	36.79	31.00	31.08	58	-2	60	4	4	4	2	3	8	2	4	S.
West Point	34.58	44.93	38.65	39.39	65	8	57	4	7	1	2	4	6	3	1	N.W.
Fort Trumbull	41.86	46.37	44.75	44.33	66	28	28	-	6	1	3	4	3	9	4	S.W.
Fort Columbus	36.65	44.72	42.58	41.32	60	17	43	1	16	3	-	3	-	6	-	N.W.
Washington city	41.13	55.48	45.16	47.26	65	23	42	1	9	4	3	7	2	5	1	N.W.
Jefferson Barracks	38.31	48.38	41.76	42.82	70	12	58	-	12	2	2	4	2	1	5	N.W.
Fortress Monroe	48.93	57.20	54.41	53.51	71	38	33	1	7	7	3	2	3	6	-	N.W.
Fort Gibson	40.55	54.89	47.44	47.63	49	26	43	2	5	1	3	16	-	2	-	S.E.
Augusta Arsl.	52.00	63.55	57.44	57.66	76	42	34	6	4	4	1	3	6	3	2	S.
Canton. Jesup.	55.44	64.21	56.82	58.86	86	36	50	2	2	5	4	2	9	1	1	S.E.
Canton. Clinch	60.89	67.37	65.13	61.13	76	48	28	3	3	4	4	2	1	12	-	S.W.
Petite Coquelle	60.00	68.00	66.00	64.67	75	44	31	1	4	3	7	1	4	4	5	S.E.
St. Augustine	71.94	74.37	68.51	71.61	84	52	32	1	3	5	1	7	6	3	6	S.W.
Canton. Brooke	65.17	78.96	70.40	71.51	82	50	32	4	-	-	-	5	4	10	3	S.W.

MARCH.

No. III.

PLACES OF OBSERVATION.	THERMOMETER.					WINDS.										WEATHER.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
	Mean Temperature.				Aggregate Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"</

PLACES OF OBSERVATION.	THERMOMETER.						WINDS.										WEATHER.				
	Mean Temperature.			Aggregate Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.
	A.M.	P.M.	P.M.					IX.	VII.	II.	Days.	Days.	Days.	Days.	Days.		Days.	Days.	Days.	Days.	
Fort Brady	34.33	48.56	35.16	39.35	66	13	53	1	13	1	10	-	1	-	4	N.W.	16	6	4	4	Fair.
Fort Snelling	40.10	52.63	42.40	45.04	78	18	60	1	6	1	6	6	4	1	5	E.	15	5	5	5	Equal.
Fort Howard	36.50	50.33	38.70	41.84	70	21	49	13	5	5	-	1	4	-	2	N.	14	11	2	3	Cl'dy.
Fort Preble	38.33	51.73	39.00	43.02	58	36	22	5	3	4	1	4	2	8	3	S.W.	20	5	4	1	Fair.
Fort Constitution	40.00	48.30	40.43	42.91	61	32	29	2	10	7	3	-	3	2	3	N.W.	17	10	2	1	"
Fort Wolcott	40.13	57.30	43.36	44.93	65	31	34	9	6	4	3	1	-	3	4	N.	11	14	2	3	Cl'dy.
Fort Armstrong	43.76	55.23	45.76	48.25	79	20	59	5	2	6	7	2	4	1	3	E.	19	10	-	1	Fair.
West Point	41.23	55.40	46.53	47.72	68	32	36	6	11	4	1	5	-	3	-	N.W.	17	8	3	2	"
Fort Trumbull	45.36	51.63	49.60	48.86	60	41	19	2	8	6	1	4	1	8	-	S.W.	16	11	3	-	"
Fort Columbus	41.10	50.36	44.36	45.27	69	32	37	2	8	8	2	2	1	4	3	N.W.	10	15	3	2	Cl'dy.
Washington city	45.40	56.66	49.26	50.44	70	32	38	-	15	6	1	5	1	2	-	N.W.	9	10	10	1	"
Jellicson Barracks	49.70	62.76	55.10	55.85	83	24	59	2	10	1	1	2	3	4	7	N.W.	19	2	8	1	Fair.
Fortress Monroe	55.56	61.53	58.50	58.53	71	41	30	2	6	12	-	2	-	5	3	N.E.	13	9	7	1	Cl'dy.
Fort Gibson	53.16	65.23	58.80	59.06	82	28	54	1	5	2	1	21	-	-	-	S.E.	18	7	5	-	Fair.
Augusta Arsl.	57.90	71.80	63.13	64.28	89	35	54	3	4	-	5	2	4	5	6	S.W.	19	8	3	-	"
Canton, Jesup	59.30	72.50	63.10	64.97	85	35	50	2	3	9	5	2	4	5	-	N.E.	20	1	9	-	"
Canton, Clinch	60.06	70.46	66.13	65.55	79	38	51	-	4	2	-	6	8	9	1	S.W.	24	3	3	-	"
Petite Coquille	67.96	72.83	70.63	70.47	85	49	36	-	-	1	11	9	1	2	6	E.	25	2	3	-	"
St. Augustine	66.43	72.73	67.70	68.95	86	30	56	-	3	10	-	13	-	3	1	S.E.	24	3	3	-	"
Canton, Brooke	62.83	77.50	69.20	69.84	90	40	50	5	3	2	1	4	-	7	8	W.	21	4	5	-	"

No. V.

MAY.

PLACES OF OBSERVATION.	THERMOMETER.						WINDS.							WEATHER.			
	Mean Temperature.			Mean Aggregate Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	
	A.M.	P.M.	P.M.														
	VII.	II.	IX.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Fair.	Snow.
Fort Brady	58.51	70.25	54.93	61.23	77	34	43	1	6	1	11	1	-	3	8	E.	1
Fort Snelling	57.74	66.90	56.19	60.28	76	36	40	1	7	3	5	1	8	5	1	S.	1
Fort Howard	50.32	68.83	51.22	56.79	82	30	52	7	3	6	-	-	14	1	-	S.	-
Fort Preble	51.25	58.51	48.83	52.86	68	40	28	4	1	7	3	10	4	2	-	S.E.	-
Fort Constitution	49.25	68.19	50.32	59.25	74	43	29	-	5	12	2	1	7	1	3	N.E.	-
Fort Wolcott	51.41	63.80	53.87	56.36	75	42	33	7	4	2	5	5	-	6	2	N.	-
Fort Armstrong	60.06	68.61	57.41	62.03	79	42	37	4	-	4	2	2	11	1	7	S.	-
West Point	56.54	70.00	59.74	61.76	80	48	32	2	10	4	-	3	4	5	3	N.W.	-
Fort Trumbull	57.71	61.51	59.06	59.43	69	52	17	1	4	6	2	9	1	5	3	S.E.	-
Fort Columbus	56.16	66.87	57.18	60.07	78	44	34	2	5	3	2	6	7	3	3	S.	-
Washington city	61.61	73.54	65.72	66.96	86	48	38	1	13	3	1	2	9	2	-	N.W.	-
Jefferson Barracks	64.70	78.00	67.38	70.03	90	52	38	9	3	3	2	5	3	5	1	N.	-
Fortress Monroe	66.22	74.06	70.54	70.27	84	60	24	1	-	12	-	5	1	8	4	N.E.	-
Fort Gibson	65.67	73.42	69.00	71.36	86	54	32	-	2	-	-	29	-	-	-	S.E.	-
Augusta Arsl.	70.96	83.09	75.67	76.57	94	63	31	2	5	5	-	7	3	3	6	S.E.	-
Canton. Jesup	70.29	80.87	73.67	74.94	92	60	32	4	-	4	3	5	8	5	2	S.	-
Canton. Clinch	72.41	80.32	75.67	76.13	90	65	25	-	4	1	-	1	3	22	6	S.W.	-
Petite Coquille	76.35	81.69	79.19	79.08	90	70	20	1	2	-	8	6	1	5	1	E.	-
St. Augustine	75.22	80.45	76.38	77.32	90	71	19	3	-	8	1	14	1	3	1	S.E.	-
Canton, Brooke	71.64	80.09	76.48	76.07	90	66	24	-	5	3	3	3	3	11	3	S.W.	-

Prevailing.

Fair.

Cl'dy.

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JUNE.

No. VI.

PLACES or OBSERVATION.	THERMOMETER.						WINDS.								WEATHER.			
	Mean Temperature.			Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.		
	A.M.	P.M.	P.M.															
																	VII.	II.
Fort Brady	49.23	61.53	47.63	52.80	91	39	52	-	1	2	9	4	1	2	11	W.		
Fort Snelling	66.40	79.06	70.00	71.82	92	56	36	-	2	-	1	8	8	5	6	S.		
Fort Howard	67.73	75.26	66.20	69.73	90	48	42	3	4	2	-	5	4	9	3	S.W.		
Fort Preble	63.86	75.96	62.10	67.31	90	48	42	-	3	1	3	6	7	8	2	S.		
Fort Constitution	63.30	69.06	59.80	64.05	90	50	40	1	1	5	2	2	15	2	2	S.		
Fort Wolcott	63.86	72.70	65.80	67.45	81	53	28	-	1	-	1	6	6	16	-	S.W.		
Fort Armstrong	73.54	81.03	72.06	75.54	94	54	40	-	1	3	1	3	16	1	5	S.		
West Point	68.80	82.20	70.56	73.85	98	58	40	1	5	-	-	4	9	8	3	S.		
Fort Trumbull	65.83	73.33	71.13	70.10	82	61	21	-	1	2	3	7	9	7	1	S.		
Fort Columbus	68.33	79.60	68.86	72.26	90	60	30	-	2	2	-	8	6	10	2	S.W.		
Washington city	74.96	85.36	77.56	79.29	93	64	29	2	4	1	-	7	9	6	1	S.		
Jefferson Barracks	77.30	87.83	76.93	80.69	100	66	34	1	3	3	-	11	1	11	-	S.E.		
Fortress Monroe	76.00	83.96	77.30	79.09	91	68	23	-	1	4	2	6	2	14	1	S.W.		
Fort Gibson	77.06	88.20	78.23	81.16	96	66	30	-	1	-	-	26	3	3	-	S.E.		
Augusta Arsl.	80.63	87.63	81.86	83.37	95	62	33	2	9	2	-	7	1	6	3	N.W.		
Canton, Jesup	76.86	90.43	81.10	82.79	97	66	31	-	1	4	-	5	8	11	1	S.W.		
Canton, Clinch	77.23	84.13	81.76	81.04	94	72	22	-	2	3	-	-	-	23	2	S.W.		
Petite Coquille	81.40	86.73	82.16	83.45	93	77	16	-	2	1	2	8	1	7	9	W.		
St. Augustine	79.73	84.03	80.53	81.43	88	74	14	-	1	4	-	23	-	2	-	S.E.		
Canton, Brooke	74.96	87.43	80.03	80.47	94	70	24	-	6	1	5	2	1	8	7	S.W.		

JULY.

No. VII.

PLACES OF OBSERVATION.	THERMOMETER.							WINDS.							WEATHER.						
	Mean Temperature.			Aggregate Temperature	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.	
	A.M.	P.M.	P.M.																		
																					VII.
																					Days.
Fort Brady	61.67	69.96	59.96	67.20	81	47	34	1	1	6	-	-	6	12	5	W.	15	7	9	-	Cl'dy. Fair.
Fort Snelling	75.09	82.64	71.48	76.40	90	61	29	1	4	-	-	1	9	4	12	W.	29	2	2	-	"
Fort Howard	65.54	78.29	65.42	69.75	92	56	36	1	2	3	-	4	13	7	1	S.	17	10	4	-	"
Fort Preble	66.25	80.67	65.64	70.85	88	59	29	-	-	-	2	3	16	5	5	S.	22	4	5	-	"
Fort Constitution	66.58	74.77	66.12	69.16	87	50	37	-	2	2	3	1	9	8	6	S.	19	10	2	-	"
Fort Wolcott	67.83	75.83	70.74	71.47	85	62	23	1	5	1	1	3	3	13	4	S.W.	13	11	7	-	Cl'dy. Fair.
Fort Armstrong	76.38	83.80	70.38	76.85	94	63	31	6	2	1	1	2	11	4	4	S.	29	2	-	-	"
West Point	71.06	83.64	71.54	75.41	96	64	32	3	10	-	-	1	6	7	4	N.W.	18	6	7	-	"
Fort Trumbull	71.77	77.32	74.61	74.57	86	67	19	-	-	-	-	5	9	17	-	S.W.	25	6	-	-	"
Fort Columbus	70.64	82.58	70.80	74.67	99	63	36	-	1	1	-	4	8	9	8	S.W.	21	3	7	-	"
Washington city	73.90	84.41	76.03	78.11	94	66	28	-	11	1	-	3	4	11	1	S.W.	16	8	7	-	"
Jefferson Barracks	73.03	87.96	77.25	79.41	98	62	36	-	10	11	-	9	-	1	-	N.E.	26	1	4	-	"
Fortress Monroe	75.90	82.93	79.90	79.58	91	69	22	-	1	5	3	2	-	20	3	S.W.	18	7	6	-	"
Fort Gibson	76.19	90.83	78.22	81.75	101	70	31	-	2	3	3	19	1	3	-	S.E.	23	8	-	-	"
Augusta Arsl.	76.48	86.67	81.83	81.66	96	65	31	1	10	-	-	1	-	14	5	S.W.	22	4	5	-	"
Canton, Jesup	77.22	91.25	81.61	83.33	97	75	22	10	4	4	-	5	3	15	-	N.	28	3	-	-	"
Canton, Clinch	77.54	87.38	82.20	82.20	92	74	22	4	7	-	-	2	3	9	-	S.W.	20	5	6	-	"
Petite Coquille	80.83	86.19	82.77	83.26	92	74	18	1	4	3	4	5	1	9	4	S.W.	22	2	7	-	"
St. Augustine	79.58	84.19	81.16	81.64	90	76	14	-	1	5	1	18	1	2	3	S.E.	15	8	8	-	Cl'dy. Fair.
Canton, Brooke	76.77	86.64	80.09	81.17	94	70	24	1	2	-	1	4	5	15	3	S.W.	17	-	14	-	"

No. VIII.

AUGUST.

PLACES of OBSERVATION.	THERMOMETER.						WINDS.								WEATHER.						
	Mean Temperature.			Aggregate Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.
	A.M.	P.M.	P.M.																		
	VII.	II.	IX.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.
	Cl'dy. Fair.	Cl'dy. Fair.	Cl'dy. Fair.	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
Fort Brady	60.71	73.00	60.87	64.86	86	49	37	-	2	5	4	1	5	12	2	W.	15	11	5	-	Cl'dy.
Fort Shelling	72.19	81.03	70.16	74.46	88	58	30	2	1	-	-	1	9	8	10	W.	26	4	1	-	Fair.
Fort Howard	64.03	77.51	67.54	69.69	92	48	44	2	3	6	-	5	11	2	2	S.	14	3	14	-	Cl'dy.
Fort Preble	66.45	80.83	64.70	70.66	90	58	32	-	5	1	2	5	9	5	4	S.	26	1	4	-	Fair.
Fort Constitution	65.70	73.25	66.22	68.36	86	58	28	-	4	3	1	2	14	2	5	S.	26	5	-	-	"
Fort Wolcott	68.41	77.74	71.96	72.70	86	63	23	2	3	1	1	2	5	13	4	S.W.	22	5	4	-	"
Fort Armstrong	75.03	84.16	71.00	76.73	95	64	31	-	1	2	4	3	14	1	6	S.	28	2	1	-	"
West Point	70.96	85.41	73.38	76.58	90	63	27	1	6	-	-	1	9	9	5	S.W.	27	1	3	-	"
Fort Trumbull	71.80	77.72	75.00	74.84	86	65	21	1	5	3	1	2	2	17	-	S.W.	26	2	3	-	"
Fort Columbus	72.00	85.61	71.90	76.50	95	63	32	-	1	3	1	2	13	4	7	S.	24	4	3	-	"
Washington city	73.74	85.32	78.22	79.09	93	65	28	-	7	4	-	5	12	3	-	S.	17	8	6	-	"
Jefferson Barracks	73.09	91.80	79.80	81.56	100	64	36	-	4	4	-	13	-	9	1	S.E.	22	1	8	-	"
Fortess Monroe	76.96	83.87	80.71	80.51	91	71	20	-	-	5	1	7	3	9	6	S.W.	21	5	5	-	"
Fort Gibson	76.77	91.48	77.87	82.04	100	71	29	-	-	1	3	24	2	1	-	S.W.	22	9	-	-	"
Augusta Arsl.	76.70	87.09	81.03	81.61	95	72	23	3	7	7	-	6	2	2	4	N.W.	5	19	7	-	Cl'dy
Canton, Jesup	77.32	88.61	80.41	82.11	96	72	24	2	11	-	-	7	6	4	1	N.E.	14	17	-	-	"
Canton, Clinch	78.58	86.80	81.22	82.20	91	74	17	2	5	2	2	4	3	13	2	S.W.	14	-	17	-	"
Petite Coquelle	80.83	86.09	83.03	83.32	92	74	18	1	1	2	10	4	2	9	2	E.	13	4	14	-	"
St. Augustine	80.54	84.64	80.83	82.00	87	78	9	-	2	-	1	24	-	4	-	S.E.	13	10	8	-	"
Canton, Brooke	76.87	88.25	80.16	81.70	94	74	20	-	1	-	-	5	12	8	-	S.	17	14	14	-	Fair.

PLACES

of

OBSERVATION.

PLACES OR OBSERVATION.	THERMOMETER.						WINDS.								WEATHER.						
	Mean Temperature.			Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.
	A.M.	P.M.	P.M.																		
				Days.	Days.	Days.	Days.														
Fort Brady	52.26	62.06	50.23	54.85	76	*38	38	2	2	6	2	1	1	7	8	2	W.	10	10	-	Cl'dy.
Fort Snelling	55.30	65.90	55.30	58.83	78	44	34	4	2	1	1	2	3	7	10	W.	22	6	2	-	Fair.
Fort Howard	48.60	63.60	53.70	55.30	79	35	34	7	1	1	-	6	9	3	3	S.	9	14	7	-	Cl'dy.
Fort Preble	58.60	68.53	59.40	62.18	68	48	20	1	2	9	3	5	9	1	-	N.E.	17	11	2	-	Fair.
Fort Constitution	58.36	68.23	60.13	62.24	79	50	29	2	1	7	4	1	2	2	3	S.	17	10	3	-	"
Fort Wolcott	62.26	70.53	65.00	65.93	82	56	26	6	3	4	1	2	2	12	3	S.W.	17	8	5	-	"
Fort Armstrong	56.20	69.26	57.06	60.84	82	44	38	8	3	1	3	4	6	2	3	N.	19	8	3	-	"
West Point	65.23	71.66	69.03	68.64	90	58	32	3	6	1	-	3	4	8	5	S.W.	20	2	8	-	"
Fort Trumbull	66.83	71.80	69.26	69.30	86	60	26	3	-	10	3	4	4	6	2	N.E.	15	9	6	-	Equal.
Fort Columbus	61.26	76.70	62.40	66.79	92	53	39	1	2	8	1	1	4	8	5	S.W.	21	2	7	-	Fair.
Washington city	62.13	74.23	65.86	67.41	94	50	44	1	9	4	-	5	8	2	1	N.W.	15	9	6	-	Equal.
Jefferson Barracks	61.93	74.40	66.33	67.89	86	52	34	-	6	6	-	10	-	7	1	S.E.	24	-	6	-	Fair.
Fortress Monroe	69.56	73.46	70.90	71.31	83	59	24	2	2	14	2	3	-	4	3	N.E.	13	9	8	-	Cl'dy.
Fort Gibson	64.13	79.73	65.30	69.72	92	48	44	8	1	-	2	18	1	-	2	S.E.	19	11	-	-	Fair.
Augusta Arsl.	65.53	78.96	71.90	72.13	88	58	30	3	9	8	3	2	1	5	-	N.W.	12	16	2	-	Cl'dy.
Canton. Jesup	67.80	80.63	71.93	73.45	90	62	28	6	1	16	4	2	4	10	-	N.E.	19	8	3	-	Fair.
Canton. Clinch	70.26	82.03	76.06	76.22	87	56	31	2	3	4	2	5	4	4	-	S.W.	24	1	5	-	"
Petite Coquille	74.76	82.03	79.06	78.62	88	65	23	-	5	5	7	6	1	2	4	E.	24	2	4	-	"
St. Augustine	77.43	82.30	79.26	79.66	85	72	13	-	2	8	1	17	-	2	-	S.E.	15	7	8	-	Equal.
Canton. Brooke	73.96	86.10	77.93	79.33	92	68	24	-	-	-	8	10	-	6	4	S.E.	22	-	8	-	Fair.

OCTOBER.

No. X.

PLACES or OBSERVATION.	THERMOMETER.						WINDS.										WEATHER.			
	Mean Temperature.			Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Fair.	
	A.M.	P.M.	P.M.																	
	VII.	II.	IX.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.				Days.
Fort Brady	43.03	51.35	42.22	45.53	70	27	43	1	2	7	4	4	2	9	2	S.W.	10	14	5	2
Fort Snelling	42.00	60.25	48.12	50.12	80	28	52	3	4	-	1	2	2	8	11	W.	27	3	1	-
Fort Howard	38.80	58.58	47.90	48.43	82	24	58	7	1	1	-	3	7	7	5	S.W.	16	15	-	-
Fort Preble	44.12	57.38	45.80	49.10	68	28	40	-	5	-	1	3	16	5	1	S.	17	10	4	-
Fort Constitution	44.61	57.25	49.35	50.40	74	30	44	-	8	1	1	3	8	5	5	N.W.	18	12	1	-
Fort Wolcott	49.96	58.80	53.93	54.23	67	34	33	-	12	5	1	1	1	10	1	N.W.	15	12	4	-
Fort Armstrong	49.03	60.93	52.90	54.29	82	34	48	5	2	1	2	3	14	-	4	S.	30	1	3	-
West Point	50.19	61.67	55.12	55.99	73	30	43	-	13	-	1	3	5	5	4	N.W.	21	7	3	-
Fort Trumbull	55.09	60.19	58.83	58.04	70	44	26	1	5	1	5	4	2	8	5	S.W.	22	6	3	-
Fort Columbus	48.09	60.00	52.09	53.39	71	33	38	2	8	2	3	3	5	7	1	N.W.	22	6	3	-
Washington city	45.80	64.09	54.48	54.79	76	27	49	-	8	5	-	1	12	4	1	S.	19	9	3	-
Jefferson Barracks	43.29	59.22	49.74	50.75	70	34	36	-	2	3	2	8	2	11	3	S.W.	26	3	2	-
Fortress Monroe	60.45	66.16	63.25	63.29	70	49	21	1	2	13	1	5	2	4	3	N.E.	17	8	6	-
Fort Gibson	60.19	77.03	60.83	66.02	90	46	44	-	6	-	-	25	-	-	2	S.E.	22	7	2	-
Augusta Arsl.	57.93	71.35	84.95	71.40	81	41	40	7	13	5	1	1	3	2	-	N.W.	22	6	3	-
Canton. Jesup	61.74	76.29	65.22	67.75	84	48	36	4	4	7	5	4	4	3	4	N.E.	23	7	1	-
Canton. Clinch	62.87	76.90	68.83	69.53	83	46	37	7	1	5	3	6	5	4	-	N.	28	-	3	-
Petite Coquille	70.80	76.80	74.51	74.04	84	56	28	1	7	2	11	2	-	2	6	E.	26	2	3	-
St. Augustine	69.74	75.06	71.29	72.03	80	56	24	3	3	13	1	9	-	2	-	N.E.	14	9	8	-
Canton. Brooke	67.29	82.25	72.29	73.94	86	47	39	2	5	3	7	4	-	10	-	S.W.	24	5	2	-

PLACES or OBSERVATION.	THERMOMETER.						WINDS.						WEATHER.			
	Mean Temperature.			Aggregate Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.
	A.M.	P.M.	P.M.													
	VII.	II.	IX.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Prevailing.
Fort Brady	31.06	38.63	33.80	34.50	59	21	38	5	2	5	6	3	2	3	4	E.
Fort Snelling	30.70	40.23	34.60	35.18	55	18	37	2	6	3	-	1	2	5	11	W.
Fort Howard	30.93	38.73	34.13	34.60	53	15	38	-	6	6	1	1	1	10	5	S.W.
Fort Preble	36.40	43.66	37.33	39.13	58	22	36	3	5	1	-	4	8	4	5	S.
Fort Constitution	38.86	46.50	40.20	41.85	66	24	32	1	9	3	2	-	4	4	7	N.W.
Fort Wolcott	43.16	48.96	45.20	45.77	65	26	39	1	11	4	2	1	1	9	1	N.W.
Fort Armstrong	37.50	47.13	38.03	40.89	62	30	32	6	1	1	5	2	10	2	3	S.
West Point	41.56	49.43	44.10	45.03	68	24	44	2	9	-	1	5	6	6	1	N.W.
Fort Trumbull	49.40	53.56	51.66	51.54	67	40	27	3	4	1	5	5	3	3	6	W.
Fort Columbus	42.66	48.00	44.16	44.94	63	27	36	-	9	5	1	1	3	4	7	N.W.
Washington city	42.60	52.80	46.60	47.33	70	29	41	3	4	4	1	7	1	10	-	N.W.
Jefferson Barracks	43.33	60.06	48.26	50.55	70	34	36	3	3	2	9	2	-	8	5	S.W.
Fortress Monroe	54.13	59.90	56.90	56.98	82	38	44	3	2	3	1	2	-	10	-	N.E.
Fort Gibson	48.40	66.06	51.70	55.39	80	38	42	5	3	-	3	17	-	1	1	S.E.
Augusta Arsl.	53.50	60.80	55.93	56.74	75	41	34	1	9	3	-	-	2	10	5	S.W.
Cant. Jesup	53.26	67.63	57.40	59.43	80	30	50	3	8	3	1	7	3	3	2	N.W.
Cant. Clinch	57.43	67.76	60.80	62.00	80	36	44	1	11	2	-	2	8	4	6	N.W.
Petite Coquille	63.83	70.90	66.36	67.03	78	49	29	-	5	-	6	6	1	6	6	S.E.
St. Augustine	64.20	69.16	65.63	66.33	81	54	27	2	12	1	1	14	-	-	-	S.E.
Cant. Brooke	60.73	77.00	67.10	68.28	82	46	36	3	4	3	3	1	1	11	4	S.W.

No. XII.

DECEMBER.

PLACES OF OBSERVATION.	THERMOMETER.							WINDS.								WEATHER.				
	Mean Temperature.			Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Snow.	
	A.M.	P.M.	P.M.																	
																				VII.
	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.
Fort Brady	19.67	28.29	23.25	23.74	42	2	40	2	7	8	-	-	4	5	5	N.E.	5	26	-	2
Fort Snelling	20.06	30.74	23.80	24.87	44	-3	47	4	4	2	-	1	2	5	11	W.	18	11	-	-
Fort Howard	20.87	29.22	23.64	24.58	43	-6	49	5	5	1	1	1	3	12	6	S.W.	21	10	-	-
Fort Preble	28.53	37.22	31.54	32.43	52	-2	54	7	7	2	1	1	8	9	3	S.W.	16	15	-	-
Fort Constitution	31.00	40.64	33.38	35.01	57	4	53	-	11	-	1	1	-	13	6	S.W.	19	12	-	-
Fort Wolcott	34.96	43.32	36.93	38.40	57	10	47	1	9	1	1	3	2	11	7	S.	5	14	12	-
Fort Armstrong	29.93	39.83	30.64	33.47	59	10	49	6	-	3	-	3	11	3	2	S.	23	5	1	-
West Point	35.67	46.71	37.54	39.97	62	12	50	2	10	-	-	-	11	8	14	W.	22	5	2	-
Fort Trumbull	42.45	48.74	45.80	45.66	58	18	40	1	1	1	1	-	9	3	2	W.	24	4	4	-
Fort Columbus	35.19	43.06	37.77	38.67	54	20	34	-	13	1	-	2	8	4	3	N.W.	18	10	3	-
Washington city	35.77	49.09	40.35	41.74	62	18	44	1	13	3	-	9	2	5	1	N.W.	22	3	4	-
Jefferson Barracks	38.35	52.87	43.32	44.85	60	30	30	10	1	3	-	1	4	3	1	N.W.	24	5	4	-
Fortress Monroe	44.09	50.70	47.93	47.57	64	30	34	5	11	5	1	18	-	4	4	S.E.	20	5	6	-
Fort Gibson	40.54	57.03	46.00	47.86	74	26	48	-	5	8	-	7	6	3	3	N.W.	21	4	6	-
Augusta Arsl.	49.03	60.54	53.74	54.44	72	34	38	3	7	5	-	2	2	3	4	N.W.	14	8	9	-
Canton, Jesup	49.71	60.00	54.00	54.57	74	34	40	5	8	6	-	7	2	3	3	S.	21	9	2	-
Canton, Clinch	59.00	66.00	61.00	62.00	75	50	25	-	6	4	2	6	-	2	2	E.	20	7	9	-
Petite Coquille	61.96	68.06	62.83	64.28	80	48	32	-	4	6	8	-	13	3	-	S.E.	15	7	9	-
St. Augustine	64.93	69.93	65.85	66.90	77	50	27	3	10	4	-	6	1	4	-	N.E.	25	1	5	-
Canton, Brooke	64.54	76.29	69.12	69.98	82	50	32	1	-	9	-	8	4	-	-	-	-	-	-	-

No. XIII.

MEAN OF THE OBSERVATIONS FOR 1828.

PLACES OF OBSERVATION.	Latitude.		Longitude.	THERMOMETER.				Range.		WINDS.								WEATHER.								
	Lat.	Long.	Long.	Mean Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow	Days.	Days.	Days.	Prevailing.		
A.M.	P.M.	P.M.	I.X.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.		
Fort Brady	46° 39'	84° 53'	37° 95'	49° 78'	39° 41'	42° 38'	91	-20	1.59	4.67	3.75	5.17	3.33	2.59	5.00	4.42	S.W.	11.33	9.75	5.42	4.00				Cl'dy.	
Fort Snelling	44° 53'	93° 08'	41° 43'	53° 92'	43° 68'	46° 34'	92	-22	2.25	5.00	0.83	1.50	2.08	5.83	5.00	8.00	W.	19.75	4.92	2.83	3.00				Fair.	
Fort Howard	44° 40'	87° 00'	40° 46'	53° 19'	43° 20'	45° 62'	92	-20	4.92	3.58	2.75	0.25	2.25	8.67	5.00	3.08	S.	16.50	10.83	2.50	0.67				"	
Fort Preble	43° 38'	70° 18'	44° 81'	55° 29'	45° 68'	48° 50'	90	-2	1.50	4.50	2.83	1.58	5.17	7.25	5.42	2.25	S.	16.17	10.00	4.50	0.67				"	
Ft Constitution	43° 04'	70° 49'	45° 52'	55° 36'	46° 87'	49° 25'	90	1	0.83	6.17	4.08	2.17	1.08	6.83	4.50	4.75	S.	16.25	11.25	2.75	0.25				Cl'dy.	
Fort Wolcott	41° 30'	71° 18'	48° 50'	57° 33'	51° 53'	52° 55'	86	6	3.75	4.62	2.92	1.50	2.58	2.08	8.92	2.33	N.W.	13.92	9.33	6.17	1.08				"	
Fort Armstrong	41° 28'	90° 33'	48° 54'	58° 33'	49° 04'	51° 97'	95	-6	4.25	1.83	2.58	3.08	2.50	10.25	1.67	4.33	S.	23.50	5.42	1.17	0.42				Fair.	
West Point	41° 22'	73° 57'	50° 15'	61° 55'	53° 18'	54° 96'	98	6	2.67	8.67	1.58	0.75	3.83	5.50	5.08	2.42	N.W.	18.50	6.58	4.58	0.83				"	
Fort Trumbull	41° 22'	72° 05'	54° 00'	59° 40'	57° 26'	56° 89'	86	18	1.33	3.83	3.33	2.08	5.17	3.33	7.00	4.58	S.W.	16.92	7.33	5.08	0.67				"	
Fort Columbus	40° 42'	74° 02'	49° 99'	60° 01'	52° 14'	54° 05'	99	9	1.50	6.50	4.00	2.00	2.50	4.67	5.83	3.50	N.W.	18.08	7.75	4.42	0.25				"	
Washington city	38° 41'	76° 55'	52° 96'	65° 18'	57° 22'	58° 45'	94	16	0.58	9.50	4.00	0.33	4.75	6.58	4.17	0.58	N.W.	14.42	8.92	6.75	0.42				Cl'dy.	
Jefferson Bar's	38° 28'	90° 08'	53° 05'	66° 93'	57° 74'	59° 24'	100	10	2.50	6.00	3.42	0.92	6.58	2.50	6.58	2.00	S.W.	20.83	4.50	4.75	0.33				Fair.	
Fortress Monroe	37° 02'	76° 12'	60° 13'	67° 03'	63° 62'	63° 59'	91	30	1.67	3.42	8.50	0.92	3.83	1.25	8.00	2.92	N.E.	17.00	7.33	6.08	0.08				"	
Fort Gibson	35° 30'	95° 10'	57° 43'	71° 83'	60° 99'	63° 42'	101	19	2.08	3.25	1.67	1.50	20.42	0.50	1.00	0.08	S.E.	19.00	9.25	2.08	0.17				"	
Augusta Arsl.	33° 28'	81° 53'	61° 84'	73° 22'	68° 38'	67° 81'	96	34	3.17	6.83	3.67	0.50	4.08	3.08	5.58	3.58	N.W.	16.75	7.58	6.17	0.00				"	
Canton. Jesup	31° 30'	93° 47'	63° 02'	74° 99'	66° 76'	68° 26'	97	30	67	3.92	3.17	6.92	1.83	5.17	4.75	4.08	0.67	N.E.	18.92	5.42	6.08	0.08				"
Canton. Clinch	30° 24'	87° 14'	66° 26'	75° 16'	70° 22'	70° 55'	94	36	58	2.25	4.33	2.50	1.08	3.92	4.75	10.58	1.08	S.W.	19.50	3.25	7.75	0.00				"
Petite Coquille	30° 10'	89° 38'	70° 06'	75° 61'	72° 46'	72° 71'	93	36	57	0.83	4.08	2.92	7.58	4.58	1.58	4.17	4.75	E.	21.18	4.58	4.00	0.00				"
St. Augustine	29° 48'	81° 35'	71° 35'	76° 41'	72° 21'	73° 32'	90	30	60	2.00	3.33	5.67	0.67	14.33	1.50	2.17	0.83	S.E.	18.58	6.42	5.50	-				"
Canton. Brooke	27° 57'	82° 35'	68° 30'	81° 00'	73° 27'	74° 19'	94	40	54	2.75	2.25	1.75	3.50	4.33	2.92	8.08	5.08	S.W.	23.50	0.83	6.17	-				"

JANUARY.

No. I.

PLACES or OBSERVATION.	THERMOMETER.					WINDS.							WEATHER.			
	Mean Temperature.			Mean Aggregate Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.
	A.M.	P.M.	P.M.													
	VII.	II.	IX.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.
	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.
Hancock Barracks	7.16	15.16	13.25	11.86	47	-24	71	2	14	9	-	6	-	3	7	Fair.
Fort Snelling	10.80	21.16	15.96	15.97	38	-18	56	-	7	1	-	2	6	-	1	"
Fort Howard	13.64	24.93	18.29	18.95	49	-8	57	5	5	5	1	1	18	-	-	Cl'dy.
Fort Preble	16.00	25.35	20.71	20.69	40	-6	46	6	7	4	2	-	12	4	1	"
Fort Niagara	25.22	31.48	26.64	27.78	54	3	51	2	7	5	1	1	10	3	5	"
Fort Constitution	20.87	28.94	23.32	24.38	50	-6	56	6	9	4	-	-	2	1	2	"
Fort Wolcott	25.51	33.58	27.61	28.90	50	6	44	3	7	3	3	1	1	8	5	"
Fort Armstrong	20.92	33.22	23.12	25.75	55	-2	57	13	1	-	4	4	6	1	2	Fair.
West Point	23.51	32.64	25.16	27.10	56	0	56	2	15	3	1	4	-	5	1	Cl'dy.
Fort Columbus	25.03	29.51	26.61	27.05	44	7	37	-	12	11	-	4	-	4	6	Fair.
Washington city	27.58	38.77	31.87	32.74	54	12	42	1	11	7	-	7	3	5	4	Cl'dy.
Jefferson Barracks	30.61	43.12	35.19	36.31	56	14	42	9	8	7	-	2	2	3	3	Cl'dy.
Fortress Monroe	37.16	45.48	41.77	41.47	60	21	39	11	6	6	1	3	-	6	2	Fair.
Fort Gibson	34.19	57.35	42.03	44.52	78	20	58	5	1	4	-	20	2	1	-	"
Augusta Arsl.	40.22	53.67	47.03	46.97	68	15	53	2	5	4	-	8	5	7	1	"
Canton. Jesup	45.96	58.32	51.09	51.79	74	24	50	5	4	4	-	7	2	4	-	"
Canton. Clinch	49.97	57.61	56.70	54.76	74	26	48	3	6	12	-	2	7	7	-	"
Petite Coquille	51.93	60.90	54.06	55.63	72	23	49	2	7	3	6	2	3	3	3	"

PLACES OF OBSERVATION.	THERMOMETER.					WINDS.										WEATHER.						
	Mean Temperature.			Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.	
	A.M.	P.M.	P.M.																			
	VII.	II.	IX.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	
Hancock Barracks	9.92	20.71	14.82	15.15	40	-7	47	3	12	8	-	3	-	2	-	-	16	-	-	-	12	Fair.
Fort Snelling	8.07	11.95	2.50	7.51	33	-30	63	2	5	-	-	-	3	3	3	15	22	2	-	-	4	"
Fort Howard	-3.17	16.74	7.07	6.88	41	-32	73	6	2	4	1	1	4	6	4	7	12	16	-	-	-	Cl'dy.
Fort Preble	12.07	29.21	20.64	20.64	34	-2	36	-	3	3	4	2	4	5	7	4	17	8	1	-	2	Fair.
Fort Niagara	19.10	25.89	19.96	21.65	52	0	52	1	4	3	-	-	-	8	6	8	15	11	-	-	2	"
Fort Constitution	16.89	29.07	22.42	22.79	40	5	35	-	13	4	1	-	1	3	6	8	19	9	-	-	6	"
Fort Wolcott	20.03	30.82	24.07	24.97	42	9	31	1	8	1	4	-	-	3	11	8	17	2	2	3	-	"
Fort Armstrong	7.67	18.17	11.38	12.41	50	-16	66	8	2	2	1	-	7	-	-	8	24	2	-	-	6	"
West Point	17.10	29.39	22.00	22.83	40	2	38	4	16	1	-	-	-	3	6	N.W.	18	2	2	-	6	"
Fort Columbus	21.57	30.07	24.67	25.44	41	11	30	-	13	4	1	2	1	4	-	N.W.	19	9	-	3	-	"
Washington city	22.07	35.42	28.38	28.62	46	8	38	1	16	3	1	2	1	1	2	N.W.	12	10	3	3	3	Cl'dy.
Jefferson Barracks	14.28	27.03	20.25	20.52	70	1	69	1	9	5	2	8	-	1	3	N.W.	19	3	3	3	3	Fair.
Fortress Monroe	32.21	39.86	36.14	36.07	54	22	32	7	6	8	7	-	1	3	3	N.E.	11	8	6	3	3	Cl'dy.
Fort Gibson	22.85	37.51	25.58	28.05	66	0	66	3	3	3	1	11	1	2	-	S.E.	19	8	1	-	-	Fair.
Augusta Arsl.	37.00	49.89	43.92	40.27	64	25	39	6	15	8	2	2	-	-	1	N.W.	10	8	10	-	-	Cl'dy.
Canton, Jesup	36.85	53.85	45.10	45.27	72	18	54	-	10	4	-	-	-	6	-	N.W.	16	11	1	1	-	Fair.
Canton, Clinch	47.42	55.82	53.57	52.27	70	30	40	13	4	1	-	-	-	-	-	N.	11	7	9	9	1	Cl'dy.
Petite Coquille	48.25	56.10	49.17	51.17	70	28	42	4	2	4	6	3	-	4	5	E.	15	11	2	-	-	Fair.

MARCH.

No. III.

PLACES OF OBSERVATION.	THERMOMETER.						WINDS.								WEATHER.																																																																																																																																																																																																																																																																																																																																																																																					
	Mean Temperature.			Aggregate Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.	Fair.	Cl'dy. Fair.	Cl'dy. Fair.

APRIL.

No. IV.

PLACES OF OBSERVATION.	THERMOMETER.						WINDS.								WEATHER.					
	Mean Temperature.			Aggregate Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy. Fair.	" " " " " " " " " " " " " " " " " " " "	
	A.M.	P.M.	P.M.																	
	VII.	II.	IX.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.
Hancock Barracks	33.60	48.73	41.60	41.31	67	22	45	1	7	5	4	8	2	3	8	S.E.	20	10	-	Fair.
Fort Snelling	43.46	56.13	44.50	48.03	84	20	54	1	7	1	1	1	8	3	3	S.	24	4	-	"Cl'dy. Fair.
Fort Howard	34.33	48.13	38.03	40.16	76	26	50	8	5	4	1	2	5	5	5	N.	7	23	-	" "
Fort Preble	39.86	52.06	40.26	44.06	66	32	34	2	5	4	2	3	8	3	3	S.	16	8	6	" "
Fort Niagara	40.23	53.10	42.06	45.46	79	32	47	5	2	5	-	3	4	4	7	W.	16	8	5	" "
Fort Constitution	40.76	49.63	41.20	43.86	58	34	24	1	3	6	6	3	8	3	3	S.	18	9	3	" "
Fort Wolcott	39.23	52.83	41.96	44.67	63	34	29	-	9	4	2	5	-	8	2	N.W.	15	9	6	" "
Fort Armstrong	45.86	56.86	46.46	49.73	84	34	50	10	2	2	3	-	10	-	3	N.	23	2	5	" "
West Point	43.00	58.10	48.06	49.72	86	34	52	3	9	-	1	5	2	4	6	N.W.	18	6	5	" "
Fort Columbus	46.30	64.10	46.40	52.27	82	36	46	-	17	3	-	3	2	5	2	N.W.	22	2	6	" "
Washington city	45.46	63.83	53.80	54.26	82	36	46	-	16	1	-	3	7	4	-	N.W.	13	11	6	" "
Jefferson Barracks	52.56	68.30	59.66	60.17	80	48	32	1	2	1	3	11	2	10	-	S.E.	21	9	-	" "
Fortress Monroe	51.73	61.00	57.83	56.85	81	40	41	-	-	4	1	6	2	13	4	S.W.	19	7	4	" "
Fort Gibson	51.06	69.33	58.13	59.51	92	36	56	3	9	-	2	5	5	5	1	N.W.	18	9	3	" "
Augusta Arsl.	49.90	68.63	59.66	59.40	83	33	50	3	6	1	-	1	-	13	6	S.W.	23	3	4	" "
Canton, Jesup	53.70	72.30	61.03	62.34	87	40	47	3	9	-	2	5	5	5	1	N.W.	18	9	3	" "
Canton, Clinch	60.16	69.30	65.90	65.12	78	46	32	6	-	-	-	-	19	-	5	S.	18	10	2	" "
Petite Coquille	62.00	71.60	63.73	65.78	80	50	30	4	12	4	1	3	1	3	2	N.W.	18	9	3	" "

No. V.

MAY.

PLACES	THERMOMETER.										WINDS.										WEATHER.				
	Mean Temperature.				Range.	Lowest degree.	Highest degree.	Mean Temperature Aggregate	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.
	A.M.		P.M.																						
	VII.	II.	P.M.	P.M.																					
OP																									
OBSERVATION.	Hancock Bar's	Fort Snelling	Fort Howard	Fort Preble	Fort Niagara.	Fort Constitution	Fort Wolcott	Fort Armstrong	West Point	Fort Columbus	Washington city	Jefferson Bar's	Fortress Monroe	Fort Gibson	Augusta Arsl.	Canton, Jesup	Canton, Clinch	Petite Coquille							
	46.51	64.77	58.03	56.44	58	91	33	1	3	4	6	9	1	6	1	8	1	20	7	4	-	-	-	-	-
	64.93	75.51	64.06	68.17	36	86	50	3	4	-	3	-	4	3	3	10	3	21	1	9	-	-	-	-	-
	54.54	71.61	57.48	61.31	64	97	33	4	4	5	4	4	4	15	3	15	3	17	14	-	-	-	-	-	-
	52.70	65.61	52.12	56.81	52	92	40	1	1	2	1	4	4	14	5	13	3	16	8	7	-	-	-	-	-
	56.32	66.61	55.42	59.45	51	93	41	4	3	6	1	4	4	6	1	6	3	25	2	4	-	-	-	-	-
	53.77	62.38	52.19	56.11	49	90	41	4	4	3	6	3	6	3	8	4	3	16	13	2	-	-	-	-	-
	50.80	64.32	52.38	55.83	42	82	40	1	3	4	-	2	6	1	15	1	3	15	10	6	-	-	-	-	-
	63.25	74.71	63.29	67.08	38	96	38	6	1	1	1	8	1	15	2	2	18	26	5	-	-	-	-	-	-
	57.19	74.25	61.48	64.31	44	90	46	3	2	-	1	7	8	5	-	1	20	7	4	-	-	-	-	-	-
	59.34	73.12	59.09	63.85	51	91	40	1	6	1	1	8	14	2	3	2	18	20	3	8	-	-	-	-	-
	59.22	75.00	63.38	65.53	47	87	47	3	8	3	2	2	6	4	2	3	26	18	7	6	-	-	-	-	-
	67.74	79.25	63.38	66.59	48	90	42	3	3	3	3	6	3	5	2	2	26	20	3	8	-	-	-	-	-
	62.38	70.58	66.80	66.59	33	81	48	1	1	11	3	6	3	5	2	3	16	16	8	7	-	-	-	-	-
	71.48	84.64	74.19	76.77	46	96	50	3	1	-	3	28	1	10	3	3	15	15	7	9	-	-	-	-	-
	61.16	78.77	67.61	69.18	47	88	47	1	1	2	-	9	1	3	3	3	11	11	3	17	-	-	-	-	-
	69.58	81.48	71.96	74.31	36	94	58	1	1	6	5	6	3	4	4	3	11	11	11	9	-	-	-	-	-
	71.32	76.96	73.51	73.93	26	86	60	2	3	6	-	6	-	-	-	4	6	6	21	4	-	-	-	-	-
	74.19	81.19	71.19	75.52	26	90	64	-	6	12	-	6	-	6	1	1	5	5	12	14	-	-	-	-	-

JUNE.

No. VI.

PLACES OF OBSERVATION.	THERMOMETER.						WINDS.								WEATHER.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
	Mean Temperature.			Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Days.	Days.	Days.	Days.	Fair.	Cl'dy.	Rain.	Snow.	Days.	Days.	Days.	Days.	Fair.	Cl'dy.	Rain.	Snow.	Days.	Days.	Days.	Days.	Fair.	Cl'dy.	Rain.	Snow.	Days.	Days.	Days.	Days.	Fair.	Cl'dy.	Rain.	Snow.	Days.	Days.	Days.	Days.	Fair.	Cl'dy.	Rain.	Snow.	Days.	Days.	Days.	Days.	Fair.	Cl'dy.	Rain.	Snow.	Days.	Days.	Days.	Days.	Fair.	Cl'dy.	Rain.	Snow.	Days.	Days.	Days.	Days.	Fair.	Cl'dy.	Rain.	Snow.	Days.	Days.	Days.	Days.	Fair.	Cl'dy.	Rain.	Snow.	Days.	Days.	Days.	Days.	Fair.	Cl'dy.	Rain.	Snow.	Days.	Days.	Days.	Days.	Fair.	Cl'dy.	Rain.	Snow.	Days.	Days.	Days.	Days.	Fair.	Cl'dy.	Rain.	Snow.	Days.	Days.	Days.	Days.	Fair.	Cl'dy.	Rain.	Snow.	Days.	Days.	Days.	Days.	Fair.	Cl'dy.	Rain.	Snow.	Days.	Days.	Days.	Days.	Fair.	Cl'dy.	Rain.	Snow.	Days.	Days.	Days.	Days.	Fair.	Cl'dy.	Rain.	Snow.	Days.	Days.	Days.	Days.	Fair.	Cl'dy.	Rain.	Snow.	Days.	Days.	Days.	Days.	Fair.	Cl'dy.	Rain.	Snow.	Days.	Days.	Days.	Days.	Fair.	Cl'dy.	Rain.	Snow.	Days.	Days.	Days.	Days.	Fair.	Cl'dy.	Rain.	Snow.	Days.	Days.	Days.	Days.	Fair.	Cl'dy.	Rain.	Snow.	Days.	Days.	Days.	Days.	Fair.	Cl'dy.	Rain.	Snow.	Days.	Days.	Days.	Days.	Fair.	Cl'dy.	Rain.	Snow.	Days.	Days.	Days.	Days.	Fair.	Cl'dy.	Rain.	Snow.	Days.	Days.	Days.	Days.	Fair.	Cl'dy.	Rain.	Snow.	Days.	Days.	Days.	Days.	Fair.	Cl'dy.	Rain.	Snow.	Days.	Days.	Days.	Days.	Fair.	Cl'dy.	Rain.	Snow.	Days.	Days.	Days.	Days.	Fair.	Cl'dy.	Rain.	Snow.	Days.	Days.	Days.	Days.	Fair.	Cl'dy.	Rain.	Snow.	Days.	Days.	Days.	Days.	Fair.	Cl'dy.	Rain.	Snow.	Days.	Days.	Days.	Days.	Fair.	Cl'dy.	Rain.	Snow.	Days.	Days.	Days.	Days.	Fair.	Cl'dy.	Rain.	Snow.	Days.	Days.	Days.	Days.	Fair.	Cl'dy.	Rain.	Snow.	Days.	Days.	Days.	Days.	Fair.	Cl'dy.	Rain.	Snow.	Days.	Days.	Days.	Days.	Fair.	Cl'dy.	Rain.	Snow.	Days.	Days.	Days.	Days.	Fair.	Cl'dy.	Rain.	Snow.	Days.	Days.	Days.	Days.	Fair.	Cl'dy.	Rain.	Snow.	Days.	Days.	Days.	Days.	Fair.	Cl'dy.	Rain.	Snow.	Days.	Days.	Days.	Days.	Fair.	Cl'dy.	Rain.	Snow.	Days.	Days.	Days.	Days.	Fair.	Cl'dy.	Rain.	Snow.	Days.	Days.	Days.	Days.	Fair.	Cl'dy.	Rain.	Snow.	Days.	Days.	Days.	Days.	Fair.	Cl'dy.	Rain.	Snow.	Days.	Days.	Days.	Days.	Fair.	Cl'dy.	Rain.	Snow.	Days.	Days.	Days.	Days.	Fair.	Cl'dy.	Rain.	Snow.	Days.	Days.	Days.	Days.	Fair.	Cl'dy.	Rain.	Snow.	Days.	Days.	Days.	Days.	Fair.	Cl'dy.	Rain.	Snow.	Days.	Days.	Days.	Days.	Fair.	Cl'dy.	Rain.	Snow.	Days.	Days.	Days.	Days.	Fair.	Cl'dy.	Rain.	Snow.	Days.	Days.	Days.	Days.	Fair.	Cl'dy.	Rain.	Snow.	Days.	Days.	Days.	Days.	Fair.	Cl'dy.	Rain.	Snow.	Days.	Days.	Days.	Days.	Fair.	Cl'dy.	Rain.	Snow.	Days.	Days.	Days.	Days.	Fair.	Cl'dy.	Rain.	Snow.	Days.	Days.	Days.	Days.	Fair.	Cl'dy.	Rain.	Snow.	Days.	Days.	Days.	Days.	Fair.	Cl'dy.	Rain.	Snow.	Days.	Days.	Days.	Days.	Fair.	Cl'dy.	Rain.	Snow.	Days.	Days.	Days.	Days.	Fair.	Cl'dy.	Rain.	Snow.	Days.	Days.	Days.	Days.	Fair.	Cl'dy.	Rain.	Snow.	Days.	Days.	Days.	Days.	Fair.	Cl'dy.	Rain.	Snow.	Days.	Days.	Days.	Days.	Fair.	Cl'dy.	Rain.	Snow.	Days.	Days.	Days.	Days.	Fair.	Cl'dy.	Rain.	Snow.	Days.	Days.	Days.	Days.	Fair.	Cl'd

PLACES OF OBSERVATION.	THERMOMETER.							WINDS.										WEATHER.			
	Mean Temperature.			Aggregate	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cldy.	Rain.	Snow.	
	A.M.	P.M.	P.M.																		
	VII.	II.	IX.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	
Hancock Bar's	54.41	71.71	64.12	60.08	84	42	42	-	8	1	9	11	-	1	1	S.E.	18	7	6	-	
Fort Snelling	71.19	80.09	69.26	73.51	88	62	26	4	4	1	4	3	2	1	12	W.	24	3	4	-	
Fort Howard	63.90	77.64	64.00	65.51	87	52	35	-	3	10	-	1	3	10	4	S.W.	24	7	-	-	
Fort Preble	62.90	79.48	61.80	68.06	92	54	38	-	1	1	1	4	14	6	4	S.	22	5	4	-	
Fort Niagara	68.64	76.09	67.54	70.76	88	57	31	-	3	3	3	4	9	2	7	S.	25	2	4	-	
Fort Constitution	64.35	69.83	62.77	65.65	87	53	34	-	4	1	3	3	10	5	5	S.	20	10	1	-	
Fort Wolcott	61.61	74.03	63.93	66.52	79	54	25	2	2	4	1	3	3	15	1	S.W.	14	12	5	-	
Fort Armstrong	71.87	83.38	70.06	75.10	96	50	46	12	1	2	-	3	12	-	1	S.	25	5	1	-	
West Point	66.29	78.93	72.29	72.50	90	58	32	1	8	1	-	2	7	5	7	N.W.	17	9	4	-	
Fort Columbus	69.96	82.06	69.16	73.73	95	62	33	2	9	5	2	6	5	11	-	N.W.	24	5	3	-	
Washington city	69.90	80.70	73.80	74.80	92	58	34	-	7	2	3	3	4	9	1	S.W.	18	5	8	-	
Jefferson Barracks	70.35	87.29	72.83	76.82	97	62	35	12	3	2	3	4	9	1	-	N.	23	8	-	-	
Fortress Monroe	74.70	81.22	78.16	78.03	89	68	21	-	-	5	2	2	3	18	1	S.W.	22	5	4	-	
Fort Gibson	73.71	91.51	77.06	80.76	104	66	38	-	-	6	-	25	-	-	3	S.E.	23	6	2	-	
Augusta Arsl.	72.87	86.61	76.25	78.58	93	64	29	-	-	5	1	3	-	-	3	S.W.	14	5	12	-	
Canton. Jesup	77.03	86.51	80.06	81.20	94	66	28	-	2	4	-	4	6	5	1	S.W.	18	8	5	-	
Canton. Clinch	80.25	86.77	84.03	83.68	94	70	24	9	-	-	2	3	12	-	8	S.	5	16	10	-	
Petite Coquille	80.67	86.71	81.51	82.96	92	71	21	-	6	5	1	3	-	16	-	S.W.	3	25	3	-	

Prevailing.

Fair.

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AUGUST.

No. VIII.

PLACES OF OBSERVATION.	THERMOMETER.				WINDS.								WEATHER.							
	Mean Temperature.			Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	Prevailing.												
	A.M.	P.M.	P.M.					IX.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.				
																	Days.	Days.	Days.	Days.
Hancock Bar'ks	56.38	72.29	58.71	62.46	92	48	44	6	6	4	5	2	8	-	S.W.	23	6	2	23	Fair.
Fort Snelling	66.67	78.32	69.02	71.34	83	54	29	1	1	-	4	8	7	10	S.	26	3	2	26	"
Fort Howard	61.61	76.90	63.83	67.45	85	51	34	5	3	1	-	8	9	1	S.W.	26	5	-	26	"
Fort Preble	61.61	76.32	61.41	66.45	84	54	30	2	3	1	3	16	3	3	S.	21	6	4	21	"
Fort Niagara	68.38	76.12	70.12	71.54	85	60	25	4	4	2	-	7	5	6	S.	28	1	2	28	"
Fort Constitution	62.38	69.61	63.00	65.00	80	52	28	6	6	1	2	13	4	3	S.	25	5	1	25	"
Fort Wolcott	62.90	74.80	65.00	67.57	80	54	26	4	4	3	3	1	18	1	S.W.	17	9	5	17	"
Fort Armstrong	71.80	82.93	69.90	74.88	92	58	34	8	-	1	-	21	-	3	S.	27	3	1	27	"
West Point	66.61	77.77	69.64	71.34	86	60	26	12	2	1	2	7	4	4	N.W.	21	6	4	21	"
Fort Columbus	71.19	82.19	71.61	75.00	91	61	30	1	6	2	9	1	6	-	S.E.	19	2	10	19	"
Washington city	67.35	80.77	73.61	73.91	92	60	32	-	4	1	4	5	7	1	N.W.	18	4	9	18	"
Jefferson Bar'ks	72.41	85.64	72.87	76.97	97	62	35	2	1	4	3	16	1	1	S.	29	2	-	29	"
Fortress Monroe	76.09	81.58	79.03	78.90	89	70	19	2	3	8	6	1	7	4	N.E.	12	10	9	12	C'd'y.
Fort Gibson	74.74	96.09	77.93	82.92	106	60	46	1	1	5	-	24	-	-	S.E.	26	5	-	26	Fair.
Augusta Arsl.	72.54	86.03	76.32	78.30	92	64	28	1	9	4	-	7	1	2	N.W.	12	12	7	12	C'd'y.
Canton, Jesup	73.22	85.25	79.58	79.35	92	68	24	8	3	5	-	5	2	3	N.	13	10	8	13	"
Canton, Clinch	79.96	86.74	82.71	83.14	92	75	17	5	1	-	-	21	-	4	S.	3	11	17	3	"
Petite Coquille	80.83	87.00	82.25	83.33	92	77	15	1	9	6	4	1	8	1	N.W.	15	10	6	15	"

PLACES OF OBSERVATION.	THERMOMETER.					WINDS.										WEATHER.					
	Mean Temperature.			Aggregate Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.					
	A.M.	P.M.	P.M.																		
	VII.	II.	IX.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.
Hancock Barracks	44.40	57.03	46.40	49.29	80	30	50	2	12	3	4	6	-	3	-	N.W.	-	5	8	17	Fair.
Fort Snelling	52.90	64.30	56.10	57.77	76	39	37	2	3	1	2	9	-	-	-	E.	-	5	5	20	"
Fort Howard	50.66	64.00	53.33	56.00	88	38	50	10	5	-	-	-	10	3	-	N.	-	12	18	18	"
Fort Preble	49.80	64.06	51.40	55.09	80	36	44	1	8	-	-	1	12	3	-	S.	-	4	22	4	"
Fort Niagara	57.73	65.26	59.36	60.78	89	42	47	1	3	1	1	-	6	2	-	W.	-	14	16	16	"
Ft Constitution	51.33	62.50	53.34	55.72	73	38	35	1	7	-	-	1	9	3	9	S.W.	-	2	25	3	"
Fort Wolcott	53.13	65.83	56.20	58.39	82	40	42	1	6	1	-	1	-	12	2	S.W.	-	9	16	16	"
Fort Armstrong	57.10	70.60	61.13	62.94	88	46	42	15	1	2	-	1	11	-	-	N.	-	5	21	21	"
West Point	55.56	66.23	60.03	60.61	89	40	49	1	7	1	-	9	4	7	1	S.E.	-	10	18	18	"
Fort Columbus	58.93	72.83	60.66	64.14	92	46	46	-	12	1	-	4	3	11	1	N.W.	-	5	21	21	"
Washington city	57.13	71.93	63.80	64.29	86	46	40	-	12	2	1	3	3	9	4	N.W.	-	10	13	13	"
Jefferson Barracks	58.93	74.96	63.50	65.80	88	47	41	3	8	7	1	3	4	1	4	N.W.	-	9	10	21	"
Fortress Monroe	67.90	74.03	71.06	71.00	86	53	28	5	6	3	2	3	-	9	2	S.W.	-	9	23	23	"
Fort Gibson	67.86	85.46	71.92	75.08	100	58	47	4	8	1	12	1	-	1	-	N.E.	-	7	17	17	"
Augusta Arsl.	63.50	81.70	71.43	72.21	92	54	38	-	8	8	2	2	-	12	-	S.W.	-	14	16	16	"
Canton. Jesup	73.80	82.10	75.93	77.28	90	60	30	-	7	1	1	1	3	5	1	N.W.	-	14	15	15	"
Canton. Clinch	77.03	87.16	81.63	81.94	92	66	26	7	1	-	3	6	15	1	-	S.	-	12	16	16	"
Petite Coquille	76.36	87.73	80.43	81.51	94	66	28	4	3	17	3	2	-	1	-	N.E.	-	2	26	26	"

METEOROLOGICAL REGISTER FOR 1829.

PLACES OF OBSERVATION.	THERMOMETER.							WINDS.							WEATHER.										
	Mean Temperature.			Aggregate Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Days.	Days.	Days.	Days.	
	A.M.	P.M.	P.M.																						
																									IX.
VII.	II.	IX.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.		
Hancock Bar'ks	33.90	51.00	41.67	42.19	63	24	44	5	8	1	7	8	-	2	-	S.E.	Fair.	3	7	1					
Port Snelling	44.22	57.61	49.54	50.46	63	20	48	1	3	-	2	6	4	10	5	S.W.	"	9	4	-					
Fort Howard	43.80	57.64	47.74	49.73	72	21	51	2	5	5	1	3	12	4	1	S.	"	15	4	-					
Fort Preble	43.80	55.22	45.61	45.21	66	30	36	2	1	3	2	1	12	5	1	S.	"	22	3	-					
Fort Niagara	51.61	60.22	54.70	55.51	76	38	38	1	5	8	1	-	8	3	5	N.E.	"	16	4	-					
Fort Constitut'n	44.29	55.00	46.32	45.54	72	30	42	2	5	5	1	-	13	1	4	S.	"	20	10	-					
Fort Wolcott	45.67	57.67	48.64	50.66	65	33	33	6	7	6	2	4	13	6	1	N.W.	Cl'dy.	15	6	-					
Fort Armstrong	49.74	63.38	51.22	54.78	78	32	46	3	2	2	1	3	2	3	4	N.W.	Fair.	23	5	-					
West Point	47.54	60.61	51.32	53.16	70	28	42	1	8	1	5	13	6	3	1	S.	"	21	11	-					
Fort Columbus	49.90	63.29	51.35	54.85	78	39	39	3	5	5	2	1	8	3	2	N.W.	Fair.	18	6	-					
Washington city	49.35	62.64	55.39	55.79	72	31	41	-	5	5	2	1	6	3	1	S.E.	"	25	5	-					
Jefferson Bar'ks	50.70	64.03	55.87	56.87	85	41	44	2	8	5	2	1	8	3	2	N.W.	Cl'dy.	13	12	-					
Fortress Monroe	61.87	67.22	64.67	64.59	75	54	21	1	10	6	2	6	2	1	6	N.W.	Fair.	22	8	-					
Fort Gibson	55.61	72.83	59.68	62.67	90	37	53	5	6	2	7	11	-	6	2	N.W.	Cl'dy.	15	9	-					
Augusta Ars'l	55.16	68.48	61.67	61.77	82	47	35	2	5	16	-	4	-	2	2	S.E.	Fair.	16	8	-					
Cant. Jesup	63.74	74.29	67.74	68.56	86	46	40	10	6	7	-	2	2	3	-	N.E.	Cl'dy.	13	6	-					
Cant. Clinch	69.19	78.61	73.45	73.75	88	54	34	5	2	10	1	5	6	3	-	N.	Fair.	19	9	-					
Petite Coquille	69.38	74.70	72.77	72.28	88	54	34	1	3	17	-	3	-	7	-	N.E.	Cl'dy.	15	4	-					

PLACES OF OBSERVATION.	THERMOMETER.							WINDS.							WEATHER.						
	Mean Temperature.			Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.
	A.M.	P.M.	P.M.																		
Hancock Barracks	22.50	33.03	25.30	26.94	60	-2	62	4	11	-	6	6	-	3	-	N.W.	13	1	13	3	Cl'dy.
Fort Snelling	22.30	32.90	26.23	27.14	48	-7	55	-	4	-	2	1	3	4	16	W.	14	11	-	5	"
Fort Howard	22.73	31.13	25.66	26.51	49	-4	53	7	1	6	1	-	12	1	2	S.	11	19	-	-	"
Fort Preble	33.80	41.26	36.53	37.20	58	20	38	1	4	4	-	2	4	4	11	W.	12	6	11	1	"
Fort Niagara	36.42	42.16	38.10	38.89	55	21	34	2	2	2	-	1	5	3	15	W.	10	11	6	3	"
Fort Constitution	36.66	44.23	37.66	39.52	59	20	39	1	6	4	1	-	9	3	6	S.	12	11	7	-	"
Fort Wolcott	40.03	47.33	40.80	42.72	58	26	32	2	9	5	-	2	1	8	3	S.W.	16	9	6	-	"
Fort Armstrong	23.96	37.40	28.03	29.80	56	0	56	16	-	-	2	-	8	-	4	N.	20	6	-	4	"
West Point	38.60	47.03	39.50	41.71	60	24	36	5	5	3	1	6	6	2	2	S.E.	11	12	5	2	Cl'dy.
Fort Columbus	40.36	50.06	41.20	43.87	70	26	44	3	8	8	1	3	-	4	3	N.W.	18	4	7	1	Fair.
Washington city	38.36	48.36	41.36	42.69	60	24	36	2	11	3	-	4	9	1	-	N.W.	14	9	7	-	Cl'dy.
Jefferson Barracks	32.10	41.80	37.43	37.11	58	11	47	3	12	-	-	8	4	1	2	N.W.	18	12	-	-	"
Fortress Monroe	48.66	54.80	51.03	51.50	67	34	33	2	5	5	2	4	3	5	2	S.W.	20	9	1	1	"
Fort Gibson	39.33	65.90	45.20	50.14	86	17	69	5	6	4	3	9	1	-	6	S.E.	21	7	1	-	"
Augusta Arsl.	41.03	59.46	50.86	50.45	74	23	51	-	5	4	-	7	3	4	5	N.W.	23	1	6	-	"
Canton. Jesup	47.70	63.96	55.23	55.63	76	26	50	-	9	4	-	5	4	4	-	N.W.	19	8	3	-	"
Canton. Clinch	53.60	64.26	60.00	59.29	77	33	44	3	10	-	-	9	4	4	-	N.W.	20	6	4	-	"
Petite Coquille	53.23	67.36	61.93	60.84	80	34	46	4	8	-	3	9	2	1	1	S.E.	23	5	2	-	"

PLACES OF OBSERVATION.	THERMOMETER.							WINDS.							WEATHER.							
	Mean Temperature.			Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Fair.	Cl'dy.	Fair.	Cl'dy.	
	A.M.	P.M.	P.M.																			I.X.
VII.	II.			Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.		
Hancock Bar's	21.61	32.35	23.35	25.77	50	-2	52	3	11	6	3	8	-	-	N.W.	23	1	3	4	Fair.		
Fort Snelling	19.87	31.70	23.67	25.08	46	-7	53	-	2	1	2	2	4	11	W.	21	6	2	2	"		
Fort Howard	24.74	33.64	29.80	29.39	49	8	41	-	1	3	2	2	1	-	S.	20	19	-	-	Cl'dy.		
Fort Preble	29.74	36.96	31.48	32.73	56	10	46	3	4	2	-	3	3	13	W.	20	3	7	1	Fair.		
Fort Niagara	37.77	42.61	38.48	39.62	60	22	38	1	3	2	2	1	6	7	S.W.	19	10	2	3	"		
Ft Constitution	32.67	40.51	36.25	36.48	59	12	47	4	3	2	1	2	6	6	S.W.	19	10	2	-	"		
Fort Wolcott	37.03	43.54	37.54	39.37	56	22	34	2	7	5	-	-	9	3	S.W.	16	9	6	-	"		
Fort Armstrong	30.00	40.05	33.74	34.60	63	12	51	8	-	2	5	-	12	1	S.	22	5	4	-	"		
West Point	35.58	46.29	38.53	40.15	70	20	50	1	10	4	1	9	1	3	N.W.	18	10	3	-	"		
Fort Columbus	37.70	46.90	39.29	41.30	69	26	43	-	9	1	-	6	1	3	S.W.	19	8	4	-	"		
Washington city	38.45	50.70	43.70	44.28	64	26	38	1	6	6	-	4	9	4	S.	11	13	6	1	Cl'dy.		
Jefferson Bar's	37.00	47.54	42.70	42.31	67	19	48	4	4	6	-	10	6	4	S.E.	20	11	-	-	Fair.		
Fortress Monroe	47.32	54.22	50.77	50.77	64	36	28	1	3	4	-	1	1	-	S.W.	17	8	6	-	"		
Fort Gibson	40.35	64.12	46.41	50.29	91	30	61	-	5	7	-	19	-	-	S.E.	18	10	2	1	Cl'dy.		
Augusta Arsl.	47.54	61.22	53.77	54.18	79	28	51	-	4	14	1	-	8	1	N.E.	14	7	10	-	"		
Canton, Jesup	48.87	59.22	51.19	53.09	86	28	58	1	7	6	2	5	4	-	N.W.	13	14	4	-	Fair.		
Canton, Clinch	57.67	64.48	60.67	60.94	75	37	38	3	3	2	11	-	6	3	S.E.	17	17	6	-	Cl'dy.		
Petite Coquille	55.87	67.36	60.22	61.15	79	39	40	9	4	7	-	1	4	1	N.	14	13	4	-	Cl'dy.		

MEAN OF THE OBSERVATIONS FOR 1829.

No. XIII.

PLACES OF OBSERVATION.	Latitude. Longitude.		THERMOMETER.					WINDS.								WEATHER.																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
			Mean Temperature.			Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	N.	N. W.	N. E.	E.	S. E.	S.	S. W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.

JANUARY.

No. I.

PLACES OF OBSERVATION.	THERMOMETER.					WINDS.										WEATHER.					
	Mean Temperature.			Aggregate Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.
	A.M.	P.M.	P.M.																		
	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.
Fort Brady	7.09	19.00	13.48	13.19	43	-26	69	2	6	2	5	3	2	8	3	S.W.	6	16	-	9	Cl'dy.
Hancock Barracks	3.09	11.67	6.09	6.95	34	-23	57	5	14	8	1	3	3	-	-	N.W.	10	4	-	12	"
Fort Snelling	9.87	19.48	13.19	14.18	33	-18	51	2	2	-	1	2	2	8	14	W.	25	7	-	4	Fair.
Fort Howard	8.38	21.80	11.93	14.04	44	-26	70	5	6	-	-	-	17	2	1	S.	15	7	-	9	Cl'dy.
Port Preble	16.51	23.93	19.35	19.93	44	-16	60	6	4	2	2	-	-	3	14	W.	14	10	1	6	"
Fort Niagara	22.25	30.09	25.48	25.94	53	0	53	-	3	-	-	4	-	9	12	W.	6	14	6	5	"
Fort Constitution	20.29	26.80	21.67	22.92	44	-10	54	5	9	1	-	-	3	5	8	N.W.	15	10	3	3	"
Fort Wolcott	25.97	33.74	28.71	29.47	50	0	50	1	16	3	1	-	-	8	2	N.W.	15	10	4	2	"
Fort Armstrong	16.77	30.51	23.06	23.45	48	-24	72	13	1	2	3	2	6	-	4	N.	25	5	-	1	"
West Point	23.83	33.51	26.80	28.05	49	0	49	15	3	1	7	2	-	-	3	N.	24	4	2	1	"
Fort Columbus	27.51	36.80	30.90	31.74	49	5	44	-	14	7	-	2	-	7	1	N.W.	20	9	2	-	"
Washington city	29.03	39.74	32.74	33.84	54	10	44	-	13	3	-	6	6	3	-	N.W.	14	13	3	1	Cl'dy.
Jefferson Barracks	27.42	38.16	32.80	32.79	56	8	48	6	6	3	-	5	7	4	2	S.	15	14	1	1	"
Fortress Monroe	35.16	46.29	43.06	42.84	58	22	36	10	8	7	-	-	-	4	-	N.E.	16	10	4	1	"
Fort Gibson	35.29	46.54	43.09	47.64	63	14	69	4	-	12	3	12	-	-	-	S.W.	20	7	2	1	"
Augusta Arsl.	40.64	56.58	48.61	48.61	60	25	35	-	9	5	-	-	-	12	3	N.W.	27	2	2	-	"
Canton, Jesup	43.22	59.06	49.03	50.44	72	26	46	2	10	4	-	-	4	8	9	N.	19	10	2	-	"
Petite Coquille	51.90	63.19	57.45	57.51	75	38	37	9	4	4	2	1	2	-	4	N.	27	2	2	2	"
St. Augustine	52.11	64.40	56.21	57.57	72	34	38	10	5	-	1	1	6	4	4	N.	17	12	2	-	"
Canton, Brooke	56.48	67.77	59.00	61.08	74	40	34	12	7	-	-	1	5	3	3	N.	16	15	-	-	"

No. II.

FEBRUARY.

PLACES OF OBSERVATION.	THERMOMETER.					WINDS.										WEATHER.						
	Mean Temperature.			Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.	
	A.M.	P.M.	P.M.																			
	VII.	II.	IX.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.
	Cl'dy. Fair.	" Cl'dy. Equal.	" Fair.	Cl'dy. Fair.	" Fair.	Cl'dy. Fair.	" Fair.	Cl'dy. Fair.	" Fair.	Cl'dy. Fair.	" Fair.	Cl'dy. Fair.	" Fair.	Cl'dy. Fair.	" Fair.	Cl'dy. Fair.	" Fair.	Cl'dy. Fair.	" Fair.	Cl'dy. Fair.	" Fair.	
Fort Brady	13.92	25.03	17.07	18.67	41	-15	56	1	5	1	4	5	2	5	5	N.W.	4	17	-	-	7	Cl'dy. Fair.
Hancock Barracks	8.21	19.75	12.67	13.54	44	-15	59	2	10	5	6	2	2	3	-	N.W.	20	2	-	-	6	Cl'dy. Fair.
Fort Snelling	15.00	32.85	22.96	23.60	51	-19	70	-	2	1	1	1	-	6	-	W.	21	4	-	-	3	" Cl'dy. Equal.
Fort Howard	17.28	33.85	22.28	24.47	48	-2	50	5	1	1	3	-	14	2	2	S.	12	12	-	-	3	" Cl'dy. Equal.
Fort Preble	14.71	27.42	20.28	20.80	50	-12	62	4	1	4	-	-	7	-	12	W.	14	10	-	-	4	" Cl'dy. Equal.
Fort Niagara	25.21	32.75	28.32	28.76	52	6	46	-	7	2	3	1	5	5	5	N.W.	14	12	-	-	2	" Cl'dy. Fair.
Fort Constitution	18.50	28.46	22.87	23.28	54	-5	59	4	12	-	-	-	1	4	7	N.W.	17	9	-	-	2	" Cl'dy. Fair.
Fort Wolcott	22.78	33.82	25.96	27.52	48	0	48	-	16	3	-	-	15	6	3	N.W.	13	10	-	-	3	" Cl'dy. Fair.
Fort Armstrong	22.85	38.39	29.64	30.29	60	-10	70	4	3	1	1	-	3	1	2	S.	26	2	-	-	1	" Fair.
West Point	19.96	35.53	25.53	27.01	65	-6	71	10	8	1	-	3	1	9	-	N.W.	19	8	-	-	1	" Fair.
Fort Columbus	26.50	39.64	29.64	31.93	55	8	47	-	16	2	-	1	2	4	3	N.W.	13	12	-	-	1	" Fair.
Washington city	27.46	40.21	33.42	33.70	62	4	58	2	10	4	-	4	8	2	1	S.	18	10	-	-	1	" Fair.
Jefferson Barracks	30.85	44.29	37.50	37.55	71	8	63	6	5	-	1	3	2	6	3	S.W.	16	10	-	-	1	" Fair.
Fortress Monroe	37.00	44.57	40.28	40.62	59	24	35	3	4	4	3	2	2	1	9	S.E.	16	8	-	-	1	" Fair.
Fort Gibson	36.50	59.17	46.78	47.48	78	18	60	4	1	3	-	19	1	-	-	N.E.	13	7	-	-	2	" Fair.
Augusta Ars'l	43.00	57.46	50.71	50.39	72	24	48	2	7	9	-	4	3	2	3	N.W.	14	10	-	-	1	" Fair.
Cant. Jesup	45.82	57.00	48.92	50.58	76	26	50	5	6	5	-	4	3	1	3	N.	15	11	-	-	5	" Fair.
Petite Coquille	54.00	65.03	59.64	59.56	78	36	42	7	3	6	-	4	3	1	3	N.E.	17	6	-	-	4	" Fair.
St. Augustine	58.25	68.80	60.46	62.50	78	51	27	2	7	9	1	8	1	2	6	N.E.	15	11	-	-	5	" Fair.
Canton, Brooke	58.46	71.85	60.35	63.55	82	48	34	1	7	14	-	2	2	6	3	N.E.	24	4	-	-	4	" Fair.

PLACES OF OBSERVATION.		THERMOMETER.						WINDS.								WEATHER.																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
		Mean Temperature.				Aggregate Temperature	Highest degree.	Lowest degree.	Range.	N.	N.W.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.	Fair.	Cl'dy.	Rain.	Snow.</

APRIL.

No. IV.

PLACES OF OBSERVATION.	THERMOMETER.					WINDS.										WEATHER.					
	Mean Temperature.			Aggregate	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.
	A.M.	P.M.	P.M.																		
	VII.	II.	IX.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.
Fort Brady	42.36	54.73	41.46	46.18	75	25	50	1	3	1	4	13	4	4	-	S.E.	9	15	5	1	
Hancock Barracks	34.63	58.60	45.90	46.38	80	25	55	-	9	9	3	8	1	-	-	N.E.	25	3	2	-	
Fort Snelling	46.02	59.00	49.30	51.77	66	33	33	-	3	1	2	6	10	4	4	S.	12	7	11	-	
Fort Howard	44.86	60.93	48.86	51.55	87	30	47	12	-	4	-	1	13	-	-	"	12	18	-	-	
Fort Preble	43.33	56.53	44.03	47.96	79	32	47	2	-	4	4	2	5	7	6	Equal.	15	9	6	-	
Fort Niagara	45.00	57.03	46.73	49.59	80	35	45	1	4	8	2	3	5	2	5	Fair.	24	4	2	-	
Fort Constitution	43.56	52.36	44.60	46.84	75	33	42	2	2	12	2	1	9	-	2	"	18	11	1	-	
Fort Wolcott	41.06	54.86	43.66	46.53	74	34	40	1	5	14	1	2	1	5	1	"	13	11	6	-	
Fort Armstrong	50.33	63.03	54.33	55.90	77	33	44	9	-	2	1	5	7	2	4	"	15	11	4	-	
West Point	46.73	63.73	52.10	54.19	80	32	48	8	5	6	1	5	1	3	1	"	18	7	5	-	
Fort Columbus	48.76	59.36	50.53	52.88	81	40	41	1	5	10	1	1	-	11	1	"	18	8	4	-	
Washington city	47.83	65.10	56.03	56.32	83	38	45	2	6	3	4	4	8	3	-	"	20	7	3	-	
Jefferson Barracks	56.46	67.90	60.23	61.53	82	38	44	-	7	-	-	9	13	1	-	"	17	12	-	-	
Fortress Monroe	52.93	61.83	57.36	57.37	82	43	39	6	3	6	-	3	3	9	-	"	18	11	2	-	
Fort Gibson	58.13	73.86	63.80	65.26	86	37	49	-	1	4	1	24	-	-	-	"	16	8	6	-	
Augusta Arsl.	54.53	82.12	70.93	69.19	85	41	44	-	2	6	-	12	1	9	-	"	23	2	5	-	
Canton, Jesup	58.00	72.03	63.23	64.42	82	34	48	4	1	5	2	4	1	8	5	"	17	10	3	-	
Petite Coquille.	66.26	76.80	71.73	71.60	84	50	34	2	4	5	4	14	-	-	1	"	24	6	-	-	
St. Augustine	67.13	73.23	68.23	69.53	77	57	20	-	-	10	1	15	2	1	1	"	20	5	5	-	
Canton, Brooke	66.80	78.36	68.66	71.27	84	56	28	2	3	5	3	7	7	3	-	"	24	2	4	-	

No. V.

MAY.

PLACES OF OBSERVATION.	THERMOMETER.						WINDS.								WEATHER.					
	Mean Temperature.			Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	N ^W .	N ^E .	E.	S. E.	S.	S. W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.
	A. M.	P. M.	P. M.																	
	VII.	II.	IX.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.
Fort Brady	46.70	56.29	42.44	48.48	72	32	40	1	12	1	2	9	-	3	N. W.	7	16	7	1	Cl'dy.
Hancock Barracks	42.35	63.51	51.51	52.46	75	30	45	1	8	7	5	7	-	3	N. E.	22	2	7	-	Fair.
Fort Snelling	57.80	65.29	56.00	59.70	80	32	42	4	4	1	-	-	4	10	S.	20	5	5	1	"
Fort Howard	47.45	66.09	50.06	54.53	96	36	60	12	-	1	-	-	16	-	S.	19	12	-	-	"
Fort Preble	51.12	62.54	48.45	54.04	71	38	33	1	-	4	2	9	6	9	W.	14	6	11	-	Cl'dy.
Fort Niagara	58.12	63.22	58.93	60.09	76	44	32	1	3	13	-	1	4	3	N. E.	20	7	4	-	Fair.
Fort Constitution	51.49	58.00	49.96	53.15	72	42	30	-	4	4	2	-	15	1	S.	20	10	1	-	"
Fort Wolcott	49.29	63.64	52.22	55.05	72	40	32	1	7	3	1	4	8	4	S. W.	16	8	7	-	"
Fort Armstrong	58.25	69.80	59.09	62.38	82	39	43	3	3	4	5	4	1	3	S.	17	12	2	-	"
West Point	54.45	65.16	58.25	59.62	78	44	34	1	6	5	-	11	6	2	S. E.	23	6	2	-	"
Fort Columbus	56.96	67.32	56.74	60.34	84	47	37	-	3	5	1	5	3	2	S. W.	22	7	2	-	"
Washington city	59.41	72.06	64.00	65.16	80	52	28	-	9	2	1	4	10	5	S.	17	9	5	-	"
Jefferson Barracks	61.19	71.64	66.25	66.36	86	43	43	1	5	-	1	17	1	4	S.	22	6	3	-	"
Fortress Monroe	63.48	71.22	67.06	67.25	81	52	29	-	3	3	6	1	6	2	N. E.	16	7	8	-	"
Fort Gibson	42.12	79.45	68.29	69.95	90	40	50	-	1	-	2	28	-	-	S. E.	18	4	9	-	Cl'dy.
Augusta Arsl.	64.19	82.12	70.93	72.41	90	51	39	-	2	4	1	5	1	16	S. W.	8	15	8	-	Fair.
Canton, Jesup.	65.38	77.90	69.19	70.82	93	46	47	-	4	4	-	3	10	2	S.	17	11	3	-	"
Petite Coquille	73.51	82.03	77.35	77.63	88	62	26	-	4	4	-	6	6	4	S. W.	29	2	-	-	Cl'dy.
St. Augustine	73.06	78.74	74.03	75.28	90	68	22	1	2	5	1	16	-	1	S. E.	15	6	10	-	Fair.
Canton. Brooke	73.12	84.06	75.03	77.40	88	68	20	-	-	5	1	4	7	9	S. W.	25	1	5	-	"

METEOROLOGICAL REGISTER FOR 1830.

PLACES OF OBSERVATION.	THERMOMETER.						WINDS.							WEATHER.						
	Mean Temperature.			Aggregate Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cldy.		
	A.M.	P.M.	P.M.																	
	VII.	II.	IX.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.
Fort Brady	56.16	65.56	56.33	59.35	81	45	36	7	9	-	3	6	2	2	1	N.W.	12	13	5	-
Hancock Barracks	54.26	69.83	58.20	60.80	88	42	46	-	4	8	3	12	1	2	-	S.E.	11	5	14	-
Fort Snelling	70.56	75.23	65.13	70.31	82	48	34	4	1	1	1	1	4	5	13	W.	23	-	7	-
Fort Howard	58.20	73.73	60.06	64.00	92	46	46	8	1	4	-	1	12	1	3	S.	18	12	-	-
Fort Preble	59.03	70.66	57.66	62.42	79	51	28	-	1	1	5	1	6	7	9	W.	23	-	7	-
Fort Niagara	63.53	72.10	69.93	68.52	84	62	22	7	-	4	1	1	4	6	7	N.W.	17	9	4	-
Fort Constitution	61.06	68.00	59.23	62.76	82	50	32	-	2	5	2	1	9	7	4	S.	19	7	4	-
Fort Wolcott	58.66	71.63	61.23	63.84	82	52	30	-	5	2	1	2	-	17	3	S.W.	16	5	9	-
Fort Armstrong	68.73	77.73	70.33	72.26	88	54	34	1	5	-	3	4	8	5	4	S.	20	10	-	-
West Point	64.26	75.66	67.46	69.13	84	58	26	3	7	-	1	9	-	6	4	S.E.	22	2	6	-
Fort Columbus	65.63	79.10	66.63	70.45	94	58	36	-	5	5	-	3	3	13	1	S.W.	23	4	3	-
Washington city	67.93	80.56	72.13	73.54	90	60	30	-	1	9	-	3	10	5	2	S.	18	5	7	-
Jefferson Barracks	71.83	82.60	72.60	75.68	93	54	39	1	5	-	-	-	20	1	3	S.	20	10	-	-
Fortress Monroe	71.13	80.96	75.83	75.97	96	61	35	-	-	2	6	1	3	9	9	S.W.	16	12	2	-
Fort Gibson	73.83	90.53	77.50	80.62	103	62	41	-	-	2	2	24	1	-	1	S.E.	25	2	3	-
Augusta Arsl.	74.16	88.06	82.13	81.45	95	56	39	-	4	5	-	5	1	11	4	S.W.	21	5	4	-
Canton, Jesup	72.63	87.50	77.76	79.30	97	54	43	-	-	4	6	1	2	-	6	S.W.	25	1	4	-
Petite Coquille	77.96	86.73	81.46	82.05	92	68	24	-	3	6	3	2	1	7	8	W.	25	3	2	-
St. Augustine	77.03	85.36	79.60	80.70	93	71	22	-	-	10	-	9	-	5	6	N.E.	15	5	10	-
Canton, Brooke	78.50	86.70	79.33	81.51	90	60	30	-	1	-	9	8	-	11	1	N.W.	21	3	6	-

PLACES OF OBSERVATION.	THERMOMETER.					WINDS.										WEATHER.					
	Mean Temperature.			Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.				
	A.M.	P.M.	P.M.																		
																		IX.			
	VII.	II.				Days.	Days.												Days.	Days.	Days.
Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.		
Fort Brady	68.74	78.09	66.16	71.00	93	50	43	8	6	-	1	3	1	9	3	S.W.	16	12	3	-	F air.
Hancock Barracks	60.77	77.48	66.12	68.12	95	47	48	0	4	6	1	7	7	6	-	S.E.	17	3	11	-	"
Fort Snelling	80.00	88.06	76.93	81.66	94	70	24	-	2	-	-	10	2	16	1	S.W.	26	2	3	-	"
Fort Howard	71.22	83.16	72.77	75.72	100	50	50	3	-	2	3	1	18	1	3	S.	21	6	4	-	"
Fort Preble	65.90	78.80	64.90	69.87	94	56	38	-	-	1	7	2	6	10	5	S.W.	16	8	7	-	"
Fort Niagara	75.74	83.12	76.45	78.44	98	62	36	6	-	2	4	-	-	6	7	W.	27	-	4	-	"
Fort Constitution	67.58	73.32	66.45	69.12	91	56	35	4	3	7	2	1	5	6	3	N.E.	19	9	3	-	"
Fort Wolcott	65.64	77.64	67.77	70.35	89	59	30	1	9	8	-	1	-	11	1	S.W.	16	7	8	-	"
Fort Armstrong	79.16	88.87	76.06	81.36	98	66	32	4	4	-	3	4	7	7	2	S.	31	-	-	-	"
West Point	72.84	78.29	75.93	75.69	92	60	32	4	4	1	3	9	3	2	5	S.E.	23	5	3	-	"
Fort Columbus	74.80	87.00	74.45	78.75	98	64	34	-	2	7	1	5	2	10	4	SW	25	4	2	-	"
Washington city	74.09	89.38	79.96	81.14	96	64	32	2	7	1	-	2	8	11	-	S.W.	23	5	3	-	"
Jefferson Barracks	75.54	86.93	76.87	79.78	98	66	32	5	3	8	-	5	14	1	2	S.	18	3	10	-	"
Fortress Monroe	77.29	86.16	80.94	81.46	94	72	22	-	1	8	-	7	-	13	1	S.W.	19	12	-	-	"
Fort Gibson	76.12	91.71	78.03	81.95	103	71	32	1	9	8	-	1	-	11	1	S.W.	16	7	8	-	"
Augusta Arsl.	77.83	90.16	85.22	84.40	102	74	28	-	1	-	-	13	2	11	4	S.E.	21	-	10	-	"
Canton, Jesup	77.32	90.00	80.48	82.93	96	72	24	3	5	7	2	-	2	5	7	N.W.	15	11	5	-	Cl'dy.
Petite Coquille	81.67	90.06	83.58	85.10	94	77	17	4	3	5	4	4	1	6	4	S.W.	26	4	1	-	F air.
St. Augustine	79.61	86.25	81.35	82.40	94	78	16	-	-	3	-	19	-	2	7	S.E.	18	1	12	-	"
Canton, Brooke	80.45	87.09	79.67	82.40	92	76	16	-	2	4	3	12	2	5	3	S.E.	8	23	-	-	Cl'dy.

Fair.	16	12	3	-	Fair.
"	17	3	11	-	"
"	26	2	3	-	"
"	21	6	4	-	"
"	8	7	-	-	"
"	27	4	-	-	"
"	19	9	3	-	"
"	16	7	8	-	"
"	31	-	-	-	"
"	23	5	3	-	"
"	25	4	2	-	"
"	23	5	3	-	"
"	18	3	10	-	"
"	19	12	-	-	"
"	16	7	8	-	"
"	21	-	10	-	"
"	15	11	5	-	"
"	26	4	1	-	"
"	18	1	12	-	"
"	8	23	-	-	"

No. VIII.

AUGUST.

PLACES OF OBSERVATION.	THERMOMETER.						WINDS.								WEATHER.					
	Mean Temperature.			Aggregate Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair. Days.	Cl'dy. Days.	Snow. Days.	
	A.M.	P.M.	P.M.																	
																				VII.
Fort Brady	60.12	67.61	59.25	62.33	80	51	29	10	4	2	3	6	-	4	2	N.	17	11	3	-
Hancock Barracks	56.87	75.22	61.11	64.40	78	45	33	-	4	7	1	10	5	4	-	S.E.	22	1	8	-
Fort Snelling	69.90	79.61	70.12	73.21	90	61	29	-	13	1	-	4	-	13	-	S.W.	19	10	2	-
Fort Howard	62.90	77.29	66.12	68.77	88	50	38	6	1	-	4	9	6	-	5	S.E.	14	11	6	-
Port Preble	62.58	74.80	63.25	66.88	83	56	27	4	2	1	1	5	6	6	10	W.	14	11	6	-
Fort Niagara	70.64	79.16	73.93	74.58	89	63	26	4	2	5	5	1	5	4	5	E.	16	5	10	-
Fort Constitution	64.77	70.83	63.48	66.36	78	56	22	1	8	2	1	2	11	5	1	S.	20	11	-	-
Fort Wokott	63.38	75.64	65.70	68.24	81	58	23	1	6	4	1	5	1	12	1	S.W.	15	10	6	-
Fort Armstrong	71.77	85.74	72.22	76.58	92	59	33	6	1	4	2	2	4	8	4	S.W.	23	8	-	-
West Point	71.87	79.83	74.35	75.35	86	61	25	-	8	2	-	8	3	7	3	N.W.	21	9	1	-
Fort Columbus	73.09	85.54	72.48	77.04	94	65	29	-	2	10	1	3	13	10	2	S.W.	28	3	-	-
Washington city	70.06	86.77	77.03	77.95	98	60	38	4	10	2	1	3	-	10	1	S.W.	18	6	7	-
Jefferson Barracks	76.29	84.06	75.87	78.74	95	67	28	-	2	-	6	6	16	1	-	S.	25	-	6	-
Fortress Monroe	76.09	81.41	78.16	78.55	88	72	16	2	-	2	-	8	1	9	9	S.W.	19	7	5	-
Fort Gibson	75.93	99.09	79.61	84.88	107	64	43	2	-	4	2	20	3	-	-	S.E.	28	1	2	-
Augusta Arsl.	75.77	90.64	83.00	83.14	98	68	30	-	-	4	-	11	1	14	1	S.W.	21	6	4	-
Canton, Jesup	76.22	91.64	81.38	83.08	99	70	29	6	3	1	2	3	8	5	4	S.	23	4	4	-
Petite Coquelle	80.51	90.38	83.61	84.83	98	74	24	3	6	8	5	1	2	2	2	N.E.	28	1	2	-
St. Augustine	79.45	85.16	81.70	82.10	93	79	14	2	-	9	17	-	-	1	2	S.E.	23	2	6	-
Canton, Brooke	77.87	87.54	79.60	81.67	92	74	18	-	5	7	4	4	-	6	5	N.E.	14	17	-	-

SEPTEMBER.

No. IX.

PLACES OF OBSERVATION.	THERMOMETER.							WINDS.								WEATHER.						
	Mean Temperature.			Aggregate	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.	
	A.M.	P.M.	P.M.																			
	VII.	II.	IX.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	
	Cl'dy.	Fair.	Equal.	Cl'dy.	Fair.	Equal.	Cl'dy.	Fair.	Equal.	Cl'dy.	Fair.	Equal.	Cl'dy.	Fair.	Equal.	Cl'dy.	Fair.	Equal.	Cl'dy.	Fair.	Equal.	Cl'dy.
Fort Brady	52.86	61.30	51.50	55.22	70	40	30	4	5	2	5	6	1	1	6	S.E.	12	10	8	-	-	Cl'dy.
Hancock Bar'ks	46.10	63.26	52.56	53.97	75	35	35	-	13	6.	1	7	-	3	-	N.W.	23	1	6	-	-	Fair.
Fort Snelling	53.88	66.10	56.13	58.70	79	37	42	-	8	6	-	9	1	6	-	S.E.	15	9	6	-	-	Equal.
Fort Howard	51.00	65.43	54.73	57.05	82	32	50	4	6	1	1	4	10	-	4	S.	13	11	6	-	-	Cl'dy.
Fort Preble	53.10	65.73	54.80	57.88	76	40	36	-	2	1	3	3	8	6	7	S.	14	10	6	-	-	"
Fort Niagara	63.96	69.53	67.30	66.93	78	54	24	2	4	3	8	1	3	5	4	E.	17	1	12	-	-	Fair.
Fort Constitution	54.66	64.20	55.00	57.95	74	40	34	3	8	5	4	-	8	2	-	S.	18	10	2	-	-	"
Fort Wolcott	55.90	67.70	58.63	60.74	75	40	35	1	3	12	5	3	-	10	1	N.E.	16	9	5	-	-	"
Fort Armstrong	57.06	69.60	61.96	62.87	89	44	45	7	4	5	5	1	3	1	4	N.	15	14	1	-	-	"
West Point	64.03	70.46	65.70	66.73	81	53	28	6	8	1	3	11	-	-	1	S.E.	19	11	-	-	-	"
Fort Columbus	62.10	75.16	64.06	67.11	89	50	39	-	10	6	-	1	2	11	-	S.W.	26	4	-	-	-	"
Washington city	61.76	77.90	68.16	69.27	91	40	51	1	7	8	1	4	5	6	-	N.E.	17	8	5	-	-	"
Jellerson Barracks	63.50	75.03	64.36	67.63	96	51	45	5	1	4	1	4	4	8	-	S.W.	24	-	6	-	-	"
Fortress Monroe	71.80	75.33	72.56	73.23	88	62	26	8	1	6	1	3	2	7	2	N.	15	14	1	-	-	Equal.
Augusta Arsl.	66.30	82.13	73.13	73.85	94	43	51	-	6	3	-	10	2	-	-	N.E.	24	5	1	-	-	Fair.
Canton, Jesup	70.86	85.20	75.76	77.27	96	55	41	6	4	10	-	12	4	5	1	S.E.	10	12	8	-	-	Cl'dy.
Petite Coquille	76.13	87.93	80.63	81.56	94	60	34	3	2	17	2	1	-	5	-	N.E.	20	7	3	-	-	Fair.
St. Augustine	76.46	80.76	77.60	78.27	87	69	18	-	-	13	-	16	-	1	-	S.E.	26	3	1	-	-	"
Canton, Brooke	75.40	85.06	77.30	79.25	90	66	24	-	1	18	3	4	-	2	2	N.E.	14	6	10	-	-	Cl'dy.

No. X.

OCTOBER.

PLACES OF OBSERVATION.	THERMOMETER.						WINDS.								WEATHER.						
	Mean Temperature.				Aggregate Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy. Fair.	Snow.	Prevailing.
	A.M.	P.M.	P.M.	I.X.																	
	VII.	II.							Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.
Fort Brady	47.67	54.61	46.22	49.50	74	35	39	2	4	3	8	9	-	1	4	S.E.	15	11	5	-	Cl'dy. Fair.
Hancock Barracks	40.25	57.22	45.00	47.49	76	25	51	3	11	3	1	6	2	4	1	N.W.	18	1	12	-	"
Fort Snelling	49.06	62.19	52.96	54.74	82	36	46	2	7	1	-	1	4	10	6	S.W.	18	10	3	-	"
Fort Howard	46.36	62.12	53.74	54.07	78	30	48	1	4	2	2	8	12	-	2	S.	22	3	6	-	"
Fort Preble	44.61	57.19	49.09	50.30	70	32	38	1	3	4	1	3	8	2	9	W.	18	8	5	-	"
Fort Niagara	59.58	65.22	62.35	62.38	76	50	26	2	2	3	7	4	3	5	5	E.	18	3	10	-	"
Fort Constitution	46.38	57.64	50.12	51.38	69	34	35	2	4	4	4	1	9	5	4	S.	24	6	1	-	"
Fort Wolcott	49.46	60.25	53.54	54.42	68	35	33	2	2	6	2	2	1	12	4	S.W.	19	9	3	-	"
Fort Armstrong	53.38	60.03	57.58	57.00	88	45	43	2	-	3	6	2	7	2	9	W.	18	13	-	-	"
West Point	44.25	61.58	40.64	48.82	75	38	37	5	3	-	-	1	17	-	5	S.	19	6	6	-	"
Fort Columbus	54.09	65.48	56.45	58.67	76	48	28	-	13	7	1	5	-	5	-	N.W.	24	4	3	-	"
Washington city	51.12	66.87	58.00	58.66	76	38	38	-	7	9	2	1	6	3	3	N.E.	15	7	9	-	Cl'dy. Fair.
Jefferson Barracks	56.48	67.90	57.83	60.74	83	44	39	4	2	-	4	4	4	3	7	S.W.	23	3	5	-	"
Fortress Monroe	63.90	66.74	64.70	65.11	72	60	12	4	2	10	3	-	-	10	2	N.E.	18	8	5	-	"
Fort Gibson	56.87	84.41	66.16	69.15	95	28	67	2	1	7	6	13	2	-	-	S.E.	22	8	1	-	Cl'dy. Fair.
Augusta Arsl.	53.41	68.66	61.30	61.12	80	45	35	-	14	5	-	5	-	5	2	N.W.	15	10	6	-	"
Canton. Jesup	64.64	78.32	67.35	70.10	86	38	48	5	7	6	1	4	5	2	1	N.W.	22	8	1	-	Cl'dy. Fair.
Petite Coquille	66.35	79.70	72.93	72.99	84	51	33	5	2	15	3	3	-	2	1	N.E.	23	8	5	-	"
St. Augustine	69.35	75.35	71.00	71.90	82	66	16	-	-	27	2	1	-	1	-	N.E.	17	5	9	-	"
Cant. Brooke	68.54	81.03	73.29	74.29	88	60	28	-	8	13	1	-	2	3	4	N.E.	22	5	5	-	"

No. XII.

DECEMBER.

PLACES OF OBSERVATION.	THERMOMETER.				WINDS.										WEATHER.							
	Mean Temperature.				Aggregate Temperature	Highest degree.	Lowest degree.	Range.	N. Days.	N.W. Days.	N.E. Days.	E. Days.	S.E. Days.	S. Days.	S.W. Days.	W. Days.	Prevailing.	Fair. Days.	Cl'y. Days.	Rain. Days.	Snow. Days.	Prevailing.
	A.M.	P.M.	P.M.	I.X.																		
Fort Brady	22.45	26.48	25.06	24.66	58	-5	63	-	9	12	2	5	-	3	-	-	E.	4	7	3	17	Cl'dy.
Hancock Bar'ks	23.80	32.58	25.19	27.19	55	-6	61	1	12	8	8	7	-	3	-	-	N.W.	14	4	8	5	"
Fort Snelling	11.12	21.67	14.12	15.64	53	-26	79	7	8	1	4	2	1	4	4	4	N.W.	13	3	-	15	"
Fort Howard	17.54	24.45	20.45	20.81	48	-22	70	4	6	1	1	1	12	4	2	2	S.	9	13	-	9	"
Fort Preble	29.77	36.00	31.45	32.41	53	0	53	-	5	1	1	4	1	6	13	6	W.	16	6	6	3	Fair.
Fort Niagara	36.83	41.29	38.93	39.02	63	11	52	1	3	2	3	4	2	6	9	9	W.	5	8	8	10	Cl'dy.
Fort Constitution	31.67	38.19	30.35	33.40	52	6	46	-	8	5	2	-	3	4	9	9	W.	14	11	5	1	"
Fort Wolcott	34.58	41.70	36.51	37.59	56	10	46	-	7	5	2	-	2	7	8	7	W.	6	18	4	3	Fair.
Fort Armstrong	23.00	30.42	25.77	26.39	68	-16	84	3	1	2	4	4	1	9	7	7	S.W.	17	11	2	1	"
West Point	33.16	39.16	36.67	37.33	55	15	40	3	11	1	1	-	12	2	6	1	S.	17	8	5	1	Fair.
Fort Columbus	34.11	40.19	36.58	36.96	48	10	38	1	8	5	1	1	-	10	2	6	S.W.	18	9	3	1	"
Washington city	32.54	43.25	36.19	37.33	60	4	56	-	13	6	1	-	4	5	2	4	N.W.	9	7	13	2	Cl'dy.
Jefferson Bar'ks	28.58	35.16	62.41	42.05	65	-15	80	-	14	7	2	1	-	3	4	4	N.W.	16	4	11	2	Fair.
Fortress Monroe	44.00	50.54	46.45	47.00	65	21	44	1	2	9	1	-	1	14	3	3	S.W.	19	6	6	-	"
Fort Gibson	36.90	48.22	36.25	40.46	80	3	77	1	8	3	8	3	1	3	4	4	N.W.	17	8	3	3	"
Augusta Arsl.	42.51	55.41	49.19	49.04	75	12	63	1	10	1	-	10	1	7	1	5	S.E.	16	6	9	-	"
Canton, Jesup	42.38	54.32	47.67	48.12	72	14	58	4	9	3	-	2	5	3	5	3	N.W.	17	8	6	-	"
Petite Coquelle	54.70	60.74	57.12	57.52	78	27	51	3	5	5	5	8	1	1	3	3	S.E.	19	7	5	-	"
St. Augustine	57.48	64.12	60.29	60.63	78	30	48	-	12	5	5	9	2	3	3	-	N.W.	16	2	13	-	"
Cant. Brooke	56.48	79.03	61.25	65.59	80	30	50	-	8	9	2	5	4	3	-	-	N.E.	20	3	3	-	"

PLACES OF OBSERVATION.	THERMOMETER.					WINDS.										WEATHER.												
	Latitude.	Longitude.	Mean Temperature.			Highest degree.	Lowest degree.	Range.	N.					S.E.					Fair.	Cldy.	Rain.	Snow						
			Aggregate						Days.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.												
			A.M.	P.M.	I.X.												Days.	N.W.					N.E.	E.	S.E.	S.	S.W.	W.
46° 39'	84° 83'	40.15	49.44	40.56	43.38	93	-26	119	3.33	6.08	1.50	5.42	6.58	1.25	3.83	2.50	S.E.	9.50	13.17	4.50	3.25	Cldy.						
Fort Brady	46° 39'	84° 83'	40.15	49.44	40.56	43.38	93	-26	119	3.33	6.08	1.50	5.42	6.58	1.25	3.83	2.50	S.E.	9.50	13.17	4.50	3.25	Cldy.					
Hancock Bar's	46.10		35.46	50.81	40.58	42.28	93	-23	118	1.17	9.33	6.83	1.92	6.67	1.67	2.75	0.08	N.W.	18.00	2.50	6.67	2.83	Fair.					
Fort Snelling	44° 53'	93.06	44.93	54.97	45.91	48.60	94	-26	120	1.92	4.33	1.33	0.92	3.33	3.00	8.08	7.50	S.W.	17.92	6.67	3.50	2.33	Cldy.					
Fort Howard	44.40	87.00	40.89	54.99	44.44	46.67	100	-26	126	6.18	2.67	2.00	1.58	2.18	12.58	1.25	2.00	S.	15.08	9.75	3.08	2.50	Cldy.					
Fort Preble	43° 38'	70.18	42.71	53.44	44.12	46.76	94	-16	110	1.67	2.17	2.50	2.75	2.33	4.92	5.17	8.92	W.	14.92	8.67	5.50	1.33	Fair.					
Fort Niagara	43.15	79.05	50.66	57.80	53.46	53.97	98	0	98	2.25	3.05	4.17	3.33	2.33	3.75	4.68	6.84	W.	15.67	6.67	6.33	1.75	Fair.					
Ft. Constitution	43.04	70.49	44.62	52.35	45.19	47.39	91	-10	101	1.83	5.67	5.75	1.83	0.58	7.00	3.84	3.92	S.	17.50	9.17	3.00	0.75	Cldy.					
Fort Wolcott	41° 30'	71.18	44.68	56.50	48.16	49.78	89	0	89	1.17	7.67	6.25	0.83	2.25	0.75	9.00	2.50	S.W.	13.67	10.75	5.25	0.75	Cldy.					
Fort Armstrong	41° 28'	90.33	48.51	59.81	51.42	53.25	98	-24	122	4.75	1.92	2.25	3.58	2.50	7.67	3.42	4.33	S.	20.00	8.92	1.25	0.25	Fair.					
West Point	41° 22'	73.57	48.31	58.49	51.01	52.60	92	-6	98	5.58	6.50	2.08	1.50	5.75	4.08	2.00	2.67	N.W.	21.08	6.33	2.75	0.25	"					
Fort Columbus	40° 42'	74.02	50.62	61.65	52.23	54.83	93	5	98	0.33	7.83	6.70	1.00	2.58	1.17	9.08	1.75	N.W.	19.42	7.17	3.42	0.42	"					
Washington city	38° 41'	76.55	50.82	65.03	56.25	54.37	98	4	94	1.42	9.42	4.17	0.92	2.50	6.17	4.92	0.92	S.	15.58	8.42	6.08	0.33	"					
Jefferson Bar's	38° 28'	90.08	53.25	63.77	58.55	58.52	98	-15	113	3.08	4.83	1.42	1.92	3.92	0.97	3.25	2.33	S.W.	18.92	7.08	4.33	0.08	"					
Fortress Monroe	37° 02'	76.12	58.40	65.14	61.31	61.62	94	21	73	3.92	2.83	6.92	1.67	2.75	1.08	8.58	3.42	S.W.	16.08	10.25	3.92	0.17	"					
Fort Gibson	35° 30'	95.10	56.69	76.63	61.86	65.06	107	3	104	1.75	3.08	4.32	2.83	15.40	0.83	1.42	0.58	S.E.	19.17	6.67	4.17	0.42	"					
Augusta Arsl.	33° 28'	81.53	57.75	74.07	66.25	66.02	102	12	90	-0.42	5.75	4.08	0.08	7.00	1.08	9.67	1.58	S.W.	18.25	6.42	5.58	0.17	"					
Canton, Jesup	31° 30'	93.47	60.69	73.91	64.90	66.50	99	14	85	3.25	5.58	5.33	0.75	2.58	4.08	5.42	3.25	N.W.	18.58	7.75	4.00	0.05	"					
Petite Coquille	30° 10'	89.38	67.46	77.38	71.82	72.22	98	27	71	3.92	3.33	7.08	4.08	3.83	1.83	3.00	0.33	N.E.	23.67	5.08	1.67	-	"					
St. Augustine	29° 48'	81.35	68.09	75.38	70.77	71.18	94	30	64	1.58	2.33	9.08	0.67	10.67	1.08	3.25	1.75	S.E.	17.83	5.25	7.33	-	"					
Canton, Brooke	27° 57'	82.35	68.24	80.29	70.46	73.00	92	30	62	1.67	4.92	7.92	2.17	4.42	2.50	4.92	1.92	N.E.	19.33	8.67	2.42	-	"					

Abstract [Δ] showing the mean temperature for each month, each season, and the whole year.

Years of observation.	PLACES OF OBSERVATION.	Lat.	Mean annual temp.	MEAN TEMP. OF THE SEASONS.				MEAN TEMPERATURE FOR EACH MONTH.											
				Winter.	Spring.	Sum'r.	Aut'n.	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
1826-7-8	Fort Brady	46°39'	41.84	21.67	39.36	62.54	45.46	18.24	20.24	26.90	37.20	53.91	57.87	65.85	63.91	56.19	46.43	33.75	22.49
do	" Snelling	44 53	45.77	17.29	45.67	72.80	47.35	13.59	19.27	31.19	42.49	54.57	71.94	74.77	71.68	58.12	49.50	34.15	15.08
1828-9-30	" Preble	43 38	46.92	26.71	44.27	67.45	49.29	22.54	25.07	33.24	45.01	54.57	64.75	69.59	68.00	58.12	49.50	40.28	32.52
1829-30	" Niagara	43 15	51.69	30.46	47.23	72.19	56.98	26.86	25.20	34.39	47.52	59.77	68.90	74.60	73.06	63.85	58.94	48.12	39.32
1829-9-30	" Wolcott	41 30	50.10	33.21	48.66	67.93	53.21	30.77	30.39	36.96	45.38	55.75	64.84	69.45	69.50	61.69	53.10	44.84	38.45
do	" Armstrong	41 28	51.57	26.56	50.53	73.06	52.60	24.49	24.59	36.48	51.29	63.83	74.01	77.77	76.06	62.22	55.36	40.22	31.49
do	West Point	41 22	52.74	32.81	50.44	76.28	54.51	29.52	29.74	38.88	50.54	61.90	70.88	74.53	74.42	65.33	52.66	45.55	39.15
do	Washington	38 41	55.68	37.85	54.70	76.53	56.97	35.90	36.53	44.50	53.71	65.88	75.48	78.02	76.98	66.99	56.41	47.50	41.12
do	Jefferson Barracks	38 28	57.77	37.37	58.63	78.54	56.53	35.42	33.63	46.68	59.18	70.04	77.90	77.90	79.09	67.11	56.12	46.36	43.07
do	Fortess Monroe	37 02	61.57	45.51	58.25	78.50	64.01	44.67	43.40	49.13	61.28	72.69	78.65	81.49	83.28	74.61	65.95	54.12	46.20
do	Cant. Gibson	35 30	62.90	44.31	62.49	81.14	61.90	45.47	41.25	53.51	64.29	72.72	81.06	81.55	81.02	72.73	64.76	55.97	52.55
do	Augusta Arsl.	33 28	65.24	50.66	64.30	81.21	64.49	50.00	49.44	55.90	64.29	77.41	82.73	83.77	83.83	80.56	73.10	61.95	61.32
do	Petite Coquille	30 10	71.40	59.05	70.13	83.44	72.98	57.71	58.47	63.86	69.28	76.44	81.12	82.36	82.68	79.36	73.61	67.47	61.38
1825-8-30	St. Augustine	29 48	72.24	62.83	70.55	82.05	73.56	62.15	64.97	66.53	68.68	76.44	81.12	82.36	82.68	79.36	73.61	67.47	61.38
do	Cant. Brooke	27 57	73.19	65.02	71.71	81.04	74.59	63.75	66.56	66.48	71.27	77.39	80.90	81.43	80.79	79.01	75.04	69.71	64.76
	Fort Vancouver, (Oregon, Ter.)	45 37	51.75	41.33	48.00	65.00	52.67	38.00	43.00	44.00	46.00	54.00	63.00	66.00	66.00	61.00	54.00	43.00	43.00
	North Cape	71 00	32.00	23.72	29.66	43.34	32.08	40.17	39.54	39.60	45.84	48.67	54.85	59.31	57.74	55.61	48.37	39.60	38.50
	Uleo (Lap.)	65 03	35.08	11.84	27.14	57.74	35.96	37.36	40.44	42.64	48.00	55.64	60.00	63.43	63.52	58.80	51.78	43.47	39.58
	Edinburgh	55 58	47.31	39.40	44.70	57.30	47.86	34.16	39.78	41.51	46.89	55.79	58.66	62.40	61.35	56.22	50.24	40.93	37.66
	Moscow (Russ.)	55 45	40.10	44.06	44.06	67.10	38.30	33.00	44.50	46.50	48.50	54.00	59.00	61.00	61.50	58.00	54.50	49.00	46.50
	London	51 31	50.39	39.12	48.76	62.32	51.35	35.60	40.50	43.50	49.60	58.10	62.50	65.70	65.20	60.40	52.40	44.20	39.20
	Environ of L'don	—	48.81	37.20	48.06	60.80	49.13	34.00	40.50	43.50	49.60	58.10	62.50	65.70	65.20	60.40	52.40	44.20	39.20
	Penzance	50 7	52.16	44.66	49.66	60.50	53.83	35.60	40.50	43.50	49.60	58.10	62.50	65.70	65.20	60.40	52.40	44.20	39.20
	Paris	48 50	51.50	38.43	50.40	64.47	52.30	35.60	40.50	43.50	49.60	58.10	62.50	65.70	65.20	60.40	52.40	44.20	39.20
	Nice	43 41	59.48	47.82	56.23	72.26	61.63	42.00	45.00	51.45	57.00	63.00	69.00	73.50	74.30	69.35	61.85	53.70	48.60
	Montpelier	43 36	57.60	44.20	53.33	71.30	61.30	42.00	45.00	51.45	57.00	63.00	69.00	73.50	74.30	69.35	61.85	53.70	48.60
	Rome	41 54	60.70	48.90	57.65	72.16	63.96	47.65	49.45	52.05	56.40	64.50	69.17	73.80	74.02	69.50	63.60	58.80	49.62
	Naples	40 50	61.40	48.50	58.50	70.83	64.50	46.50	58.50	61.06	62.50	66.50	71.00	75.00	76.50	72.50	65.00	54.50	50.50
	Madaira	32 37	64.56	59.50	62.20	69.33	67.23	59.50	58.50	61.06	62.50	66.50	71.00	75.00	76.50	72.50	65.00	54.50	50.50
	Cairo	30 2	72.12	58.52	73.58	85.10	71.48	58.10	56.12	64.53	77.30	78.26	83.66	85.82	85.82	79.16	72.32	62.96	61.34
	Cumana (S. Am.)	10 27	81.86	80.24	83.66	82.04	80.24	58.10	56.12	64.53	77.30	78.26	83.66	85.82	85.82	79.16	72.32	62.96	61.34

Abstract [C] containing the annual and monthly ranges of temperature.

PLACES OF OBSERVATION.	Mean annual temperature.	ANNUAL RANGE.		JAN.		FEB.		MARCH.		APRIL.		MAY.		JUNE.		JULY.		AUGUST.		SEPT.		OCT.		NOV.		DEC.															
		Range.	Min. of the year.	Monthly ranges.		Range.	Min.	Range.	Min.	Range.	Min.	Range.	Min.	Range.	Min.	Range.	Min.	Range.	Min.	Range.	Min.	Range.	Min.	Range.	Min.	Range.	Min.	Range.													
				Max.	Min.																								Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
Ft. Vancouver (Oregon Ter.)	51.75	78	95	17	37	39	58	17	23	55	32	28	60	32	42	70	32	43	75	32	50	95	40	51	95	44	45	88	43	16	66	50	26	58	32	23	55	32			
Fort Brady	41.84	105	86	-19	41	-19	58	41	-14	59	50	-9	43	58	15	44	76	32	46	86	40	32	82	50	36	83	47	38	76	38	43	69	26	38	57	19	47	41	-6		
" Snelling	45.77	116	94	-22	50	64	-41	-23	68	49	-17	66	56	-10	51	69	17	46	89	37	38	92	54	33	92	59	35	89	54	43	82	39	55	82	27	47	58	11	54	42	-12
" Preble	46.96	98	91	-7	39	52	45	-7	46	45	-1	47	57	10	34	67	35	38	77	39	36	84	48	35	91	56	30	86	36	73	75	42	38	68	30	58	24	51	54	3	
" Niagara	51.69	92	93	1	38	52	53	1	49	52	3	42	57	15	46	79	33	43	85	42	28	86	5	34	93	59	26	87	61	35	83	48	32	76	44	27	61	34	45	61	16
" Wolcott	50.10	80	84	4	34	45	49	4	37	47	10	38	57	19	34	67	33	36	77	41	30	82	52	26	84	58	24	82	58	34	79	45	33	67	34	34	62	28	42	56	14
" Armstrong	51.57	107	96	-11	48	60	49	-11	65	56	-9	57	69	12	51	80	29	46	86	40	38	93	55	36	96	60	33	93	60	42	87	45	46	83	37	43	64	21	61	63	2
West Point	52.74	91	93	2	41	52	54	2	45	57	2	55	72	17	45	78	33	37	83	46	30	89	59	32	93	61	26	87	61	36	87	51	41	73	32	36	64	28	47	63	16
Washington	55.65	83	95	12	40	45	58	13	46	58	12	50	72	22	43	78	35	35	84	49	30	92	62	32	95	63	32	94	62	45	90	45	43	75	32	37	67	30	46	62	16
Jefferson Barracks	57.77	90	97	7	44	51	62	11	63	70	7	43	75	32	45	82	37	43	89	46	37	96	59	34	97	63	33	97	64	40	90	50	40	79	39	42	68	26	53	64	11
Fortress Monroe	61.57	68	93	25	31	37	62	25	33	61	28	42	69	27	37	78	41	29	82	53	25	90	65	25	93	68	28	91	65	45	98	53	55	92	37	54	84	30	62	92	20
Cant. Gibson	62.90	89	104	15	49	59	77	18	56	71	15	54	82	28	53	87	34	43	91	48	38	100	63	31	100	69	39	101	65	45	98	53	55	92	37	54	84	30	62	92	20
Augusta Arsl.	65.24	73	98	25	40	43	68	25	40	70	30	49	80	31	50	86	36	37	91	54	34	94	60	31	98	67	27	95	68	40	92	52	37	81	44	40	75	35	51	76	25
Petite Coquille	71.40	62	94	32	31	44	76	32	38	74	36	34	80	46	34	84	50	24	89	65	20	92	72	19	93	74	19	94	75	28	92	64	32	86	54	37	80	43	41	79	38
St. Augustine	72.24	51	92	41	23	35	78	43	30	79	49	26	78	53	31	80	49	20	88	63	17	90	73	14	92	78	12	91	79	14	86	72	82	60	22	78	56	36	77	41	
Cant. Brooke	73.19	52	92	40	29	34	77	43	35	81	46	35	84	49	35	87	52	23	90	67	24	91	67	19	92	73	19	92	73	23	91	68	32	88	56	32	84	52	40	80	40
* London	50.39	64	86	22	31	28	50	22	27	52	25	32	61	29	37	69	32	39	75	36	48	86	38	33	77	44	38	82	44	35	75	40	33	65	32	30	57	27	30	54	24
* Environs of London	48.81	67	83	16	38	33	49	16	35	54	19	36	60	24	43	69	26	45	78	33	41	80	39	42	83	41	37	79	42	41	75	34	38	60	30	54	22	33	53	20	
* Penzance (Eng.)	52.16	49	76	27	24	26	54	28	25	55	33	25	59	34	26	62	36	27	68	41	26	72	46	22	73	51	22	73	51	23	69	46	24	64	40	21	57	36	22	56	34
Montpelier	57.60	59	86	27	29	26	53	27	25	55	30	23	58	35	23	64	41	22	71	49	24	80	56	23	85	62	21	86	65	20	75	55	23	71	48	22	62	40	25	57	32
Nice	59.48	60	87	27	28	31	58	27	21	58	37	24	65	41	23	69	46	26	77	41	20	78	58	15	81	66	18	87	69	21	82	61	22	70	48	18	61	43	19	59	40
Rome	60.70	62	91	29	28	29	58	29	27	60	33	28	65	37	30	74	44	26	80	52	28	88	60	27	91	64	29	97	62	30	85	55	31	77	46	28	67	39	29	60	31
Naples	61.40	64	93	29	29	29	58	29	29	60	31	31	69	38	35	78	43	35	86	51	32	88	56	29	93	64	29	91	62	28	88	60	28	79	51	20	64	44	27	61	34
Madeira	68.89	23	77	54	12	12	68	56	11	68	57	13	67	54	13	71	58	15	75	60	14	76	62	12	77	65	10	77	67	11	77	66	11	76	65	12	71	59	11	69	50

* Observations made with the Register Thermometer.

NOTE.

It is found, upon a further examination of the "Diaries of the Weather," that the observations upon the rain-guage have been sufficiently extensive to warrant a tabular arrangement of the data. The following abstract exhibits the observations made within the last four years, condensed into annual results.

To determine the quantity of rain that falls upon any point of the earth's surface, is an important element in meteorology. The table now given affords evidence of the valuable information to be derived from this source. The data, however, are not sufficiently extensive to authorize general conclusions. West Point gives the highest mean in the table, the annual quantity being 79.82 inches. This phenomenon may be referred to the local circumstances of the place, as high mountains are supposed to have an attraction for the clouds, whilst their low temperature promotes the formation of rain. Fort M'Henry gives, as the mean of three years, 78 inches; a result that seems the more extraordinary, when it is known that the mean annual quantity, based on eight years' observation, from 1817 to 1824 inclusive, is stated at 39.89 inches. It is found, however, that there is little disparity in the result of each year, as exhibited in the following table.

ABSTRACT D.

PLACES OF OBSERVATION.	Latitude.	Longitude.	OBSERVERS.	1836.					1837.	1838.	1839.	Mean annual quantity in inches.
				28.10	28.16	31.84	27.28	31.84	28.16	31.84	27.28	
Fort Constitution	43.05	70.45	Ass. Surg. Sargent									28.85
Watertown Arsl.	42.21	72.12	A. Ass. Surg. Adams						32.16	44.01	42.90	39.69
Fort Wood	40.43	74.01	Ass. Surgs. Eaton and Monroe	49.09					51.00	41.51	50.03	47.90
" Hamilton	40.43	71.01	Ass. Surg. Eaton and A. Ass. Surg. Carpenter							39.70	51.72	45.71
Hancock Barracks	46.10	67.55	Ass. Surg. Sprague						33.68	38.37	38.70	36.92
Waterlot Arsl.	42.50	73.13	A. Ass. Surgs. Hungerford and Viele	44.30	32.06	30.80	29.73	34.22	44.00	30.80	29.73	34.22
West Point	41.24	73.51	Surg. Wheaton	50.14	44.88	44.00	55.80	48.70	44.88	44.00	55.80	48.70
Allegheny Arsl.	40.35	80.08	Ass. Surg. Day						35.67	23.10	25.61	28.14
Dearbornville Arsl.	42.22	82.55	A. Ass. Surg. Sweeney	40.00						29.81	24.05	31.30
Fort Brady	46.39	84.43	Ass. Surgs. M'Dougall, Porter, and Holt						36.93	34.73	24.01	31.89
" Howard	44.40	87.00	Surg. Satterlee, Ass. Surg. Worrell, and A. Ass. Surg. Ward	37.64	41.55	42.83	31.32	38.83				31.88
" Winnebago	43.35	89.30	Surg. Foot and Ass. Surg. Laub						31.32	27.85	36.47	31.88
" Snelling	44.53	93.08	Ass. Surgs. Wright and Emerson						41.57	28.21	21.19	30.32
" McHenry	39.17	76.36	A. Ass. Surg. Roberts	39.50	45.00	39.10	39.60	40.80				40.80
" Monroe	36.51	76.19	Surg. Finley and Ass. Surg. Archer						40.70	44.74	72.90	52.55
Washington City	38.53	76.55	Wm. G. Cranch, Esq.	47.27	31.80	35.10	36.97	34.62	33.65	23.31	31.66	29.54
Fort Crawford	03	90.53	Surg. Elwes and Ass. Surg. McLaren						38.45	26.28	33.32	32.68
" Leavenworth	39.20	95.05	Surg. Macomb						26.33	21.90	24.12	24.12
St. Louis Arsl.	38.40	80.10	Surg. Beaumont						37.00	27.30	42.62	35.64
Fort Smith	35.30	94.25	Ass. Surg. Hammond						31.05	18.49	42.39	30.64
" Gibson	33.49	18.06	Surgs. De Camp and Wharton, and Ass. Surg. Bailey									34.40
" Towson	33.33	94.55	Ass. Surgs. Wells and Southgate						43.80	47.32	45.00	46.73
" Jesup	31.30	93.47	Surg. Craig	48.85								47.43
New Orleans	29.57	90.14	Dr. Barton									51.85
Key West	24.33	81.52	W. A. Whitehead, Esq.						48.54	70.89	50.82	31.39





UNITED STATES

MILES

Longitude West 5 from Washington

